

<213> Homo sapiens

<220>

<221> Site

<222> (3)

<223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 2

Trp Ser Xaa Trp Ser
1 5

<210> 3

<211> 86

<212> DNA

<213> Artificial Sequence

<220>

<221> Primer_Bind

<223> Synthetic sequence with 4 tandem copies of the GAS binding site found in the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)), 18 nucleotides complementary to the SV40 early promoter, and a Xho I restriction site.

<400> 3

gcgcctcgag atttccccga aatctagatt tccccgaaat gatttcccg aaatgatttc 60
cccgaatat ctgccatctc aattag 86

<210> 4

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<221> Primer_Bind

<223> Synthetic sequence complementary to the SV40 promoter; includes a Hind III restriction site.

<400> 4

gcggcaagct ttttgcaag cctaggc 27

<210> 5

<211> 271

<212> DNA

<213> Artificial Sequence

<220>

<221> Protein_Bind

<223> Synthetic promoter for use in biological assays; includes GAS binding sites found in the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)).

<400> 5

ctcgagattt ccccgaatc tagattccc cgaaatgatt tccccgaaat gatttcccg 60
aaatatctgc catctcaatt agtcagcaac catagtcccg cccctaactc cgcccatccc 120
gccctaact cgcccagtt ccgccattc tccgccccat ggctgactaa ttttttttat 180
ttatgcagag gcgagggcgc cctcggtctc tgagctattc cagaagtagt gaggaggctt 240
ttttggaggc ctagggtttt gcaaaaagct t 271

<210> 6

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<221> Primer_Bind

<223> Synthetic primer complementary to human genomic EGR-1 promoter

sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); includes a Xho I restriction site.

```

<400> 6
gcgctcgagg gatgacagcg atagaacccc gg
32

<210> 7
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<221> Primer_Bind
<223> Synthetic primer complementary to human genomic EGR-1 promoter
sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); includes a
Hind III restriction site.

<400> 7
gcgaagcttc gcgactcccc ggatccgcct c
31

<210> 8
<211> 12
<212> DNA
<213> Homo sapiens

<400> 8
ggggactttc cc
12

<210> 9
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<221> Primer_Bind
<223> Synthetic primer with 4 tandem copies of the NF-KB binding site
(GGGGACTTCCC), 18 nucleotides complementary to the 5' end of the
SV40 early promoter sequence, and a XhoI restriction site.

<400> 9
gcggcctcga ggggactttc ccggggactt tccggggact ttccgggact ttccatcctg
60
ccatctcaat tag
73

<210> 10
<211> 256
<212> DNA
<213> Artificial Sequence

<220>
<221> Protein_Bind
<223> Synthetic promoter for use in biological assays; includes NF-KB
binding sites.

<400> 10
ctcgagggga ctttccggg gactttccgg ggactttcgg ggactttcca tctgccatct
60
caattagtag gcaaccatag tcccgccctt aactccgcc atcccgccc taactccgcc
120
cagttccgcc cattctccgc cccatggctg actaatTTTT tttatttatg cagaggccga
180
ggccgcctcg gcctctgagc tattccagaa gtatgagga ggcttttttg gaggcctagg
240
ctttgcaaa aagctt
256

<210> 11
<211> 899
<212> DNA
<213> Homo sapiens

<400> 11

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ccacgcgctgc	ggaaaaagta	caagccccc	tcaaatgggt	caagtttcaa	atattagacc	60
caccactgac	aaagacagat	tttagtataa	tactoctaaa	actacactgt	cttttttttt	120
ttttctgcat	aaagtgtgat	tgtgctcagt	catttatctt	agtgcacca	acagagccca	180
gtccacgtgt	ttgtatttct	cctgcagtgg	gaagtggact	agggccatgt	gactaagaaa	240
gcagcagctg	gggtgtgtct	ttcaccatac	gatgttttaa	tgtgcttaac	attatccaat	300
actagcaacc	gagatagctc	aaataccaca	gcaggatctg	attagctttt	tcagatcaat	360
gccttttatt	gctgtttgca	aaaaagctta	atccagtgtc	agagatcagg	cttctcgtgt	420
agccctgggg	tagtttctct	cattttttgt	gttcacagt	gcagggtcgt	gtgacagat	480
tcctctctct	ccataattaa	agctgtaaag	tagtaactgt	agtagcaagg	gataaagaga	540
aggaagaatt	ccaagggaa	aaaagaagac	tgctattcca	taccaagtag	tttctctgtt	600
atatacaaaa	gaaagagttt	ctaataatga	ttcataaata	ctgacctcag	tgtctcttct	660
actcagtgca	cagctattaa	gttttattag	gtttcagttg	taactacttt	gtgtggatgt	720
atgttacggt	tttcatattt	atcctactca	atcaatctca	gttttaccag	aagaattaca	780
tttattagcc	ataacagtgg	ccctctctct	attctttcca	gggctgatgt	cttttttatt	840
catgagattt	caaaaagaac	tatcacacc	actaacaaaa	aaaaaaaaa	aaaaaaaaa	899

<210> 12
 <211> 1140
 <212> DNA
 <213> Homo sapiens

<400> 12	cgctgatgtt	attagcagca	taaggcagtc	atcgatgagg	cttgaggggg	60
ccacgcgctc	gggtcaaggt	caactttcca	cagtacagga	cttcgaactt	ctgagagttg	120
cttctctgtg	cctcattatc	tttgtcggtt	ttggcatcct	ctttcatggc	cgmtttagat	180
taaaagcggt	ttgtcctaat	aaacatcagga	acctggctgg	ggtctgtgtg	gcggaaaaagc	240
gtggcagctc	ttgtcgcact	gggtgtgtgt	gggtcgccct	tgtatcagga	ggcgaagtag	300
tgcagggtgt	ggctgtttgt	gatgaagcgc	gagatatgtc	gcgcctctgt	cttcgaagat	360
aatcacgcgc	ggttgggtgt	cggtggccgc	ggactagtgc	cccccgaggg	cccgagcgcc	420
ggcgcgggga	gcacacgcag	gaaggggcgc	ctgagcacca	ggataccttc	tcgggacggc	480
ggcgcccgcc	agcccgccgc	ctggggcttc	tggctgcgcc	tgcggatctc	ggccatgagc	540
caggcgagca	taggcagcgt	ggctctgtgt	tccaggccag	accccccacg	gtaccacagc	600
ccgaacccgt	tatgccttgg	cttccggggg	ccgggctgag	ctgagacgct	cggtctgggg	660
tccagggggg	gcgggaacgg	ctcatcttga	atgcagctgg	gcggctlycat	aactctcgcc	720
tccacagggt	accgcggagg	ccggccgggc	gcacgcggcc	ccccactccc	gcgcgagaag	780
cgccgcgcaa	actgtgcaca	ctgcgcgacc	gggctyccgc	gctgctctgg	gagcgggcgc	840
accgcgaact	cgcgcttcca	gcagccctgc	cccatgcagc	acttccacgg	gcgcggctgc	900
gaggctccgc	cgcggggcac	gcaggcaagg	gcggcgaggg	cgagggcggg	ttaaaattgg	960
atctctctcc	tcgggctggc	gectcgggca	ggacctcccc	ttctctcgtc	gcgggtttgc	1020
agggctcagc	gaccacgcgc	agggctcccc	cgcccgctct	agaggatccc	tcagggggcc	1080
caagcttasg	ctgcatgsg	acgtcatagc	taatctccct	ataggagggt	gcaaaagggt	1140

<210> 13
 <211> 1445
 <212> DNA
 <213> Homo sapiens

<400> 13	ggaaggctgc	aggaccagga	cgaaaaaagg	actaggaggc	tgggatcagc	aacaactggg	60
gaaggccaag	gaagactgac	ctgaggggaa	aggagaaact	ggggaggtga	ggctctactac	120	
tcaacaggat	attcttcaag	gaaaatgaac	cccacactag	gcctggccat	ttttctggct	180	
gtctctctca	cggtgaaagg	cttcttaagg	ccagcttctc	caccaaggaa	ttataaagct	240	
ttgagcgagg	tccaaggatg	gaagcaaaag	atggcagcga	aggagcttgc	aaggcgaac	300	
atggacttag	gcttttaagct	gctcaagaag	ctggcctttt	acaacctctg	caggcaacat	360	
ttctatcccc	ccttgagcat	ctctacagct	tttccatagt	gtgctgcctg	tggccacagc	420	
agacacctgg	acgagatcaa	gcagggggtc	aacttcagaa	agatgcagga	aaaagatctt	480	
ctfaggggct	tcctattacat	catccacagc	ctgaccagga	agaccacagga	ctccaaactc	540	
agcatctggg	acacgctgtt	catgtgacag	aggctgcagg	cacagcgtaa	ttttttggaa	600	
gatgcacaag	actttttacg	tggcgaaaac	atctctcaga	acttttcagaa	ttttggaatt	660	
gctcagaagc	agatacaatga	ctttatcagt	caaaaaacct	atgggaaaaa	taaacacctg	720	
atcgagaata	tagaccccgc	caactgtgat	cttcttgcga	attatatttt	ttctcagacc	780	
aggtggaacc	atgaagttga	tccaatgtta	actaaaaggag	aagattttct	tcctggagaaa	840	
acaagctcag	tcaaggtgac	catgatgttc	cgtagtgcca	tataccaagt	tggctatgac	900	
gataagctct	cttgaccatt	cttggaaaata	ccctaccaga	aaaataatac	agccactctt	960	
atctctctgc	atgaggggca	gctgaagcac	tgggagaagg	gattgcaggt	ggacactttc	1020	
tcacagtgga	aaacattact	gtcacgcagg	gtcgtagacc	tgctctgaac	cagactccac	1080	

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atgacgggca ccttcgacct gaagaagact ctctcttaca taggtgtctc caaaaatcttt 1140
gaggaacatg gtgactctac caagatcgcc cctcatcgcc ggcctgaagt gggcgaggct 1200
gtgcacaagg ctgagctgaa gatgagtgag aggggtacgg agggggcgcg tggcagcgga 1260
gcacagactc tgcccatgga gacaccactc gtgctcaaga tagacaaacc ctatctctgt 1320
ctgatttaca gcgagaaaaa accttccgtg ctcttccgtg gaaagattgt taacctatt 1380
ggaaaaataa ggagaattcc tgcttgccac agaccccgaa aaaaaaaaaa aaaaaggcg 1440
gccgc 1445

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<210> 14
<211> 1208
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (9)..(9)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (59)..(59)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (79)..(79)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (814)..(814)
<223> n equals a,t,g, or c

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<400> 14
tagcgcgnc gatccattcc ccagaacact ataccctagc ttccaaaaact attagtgcnt 60
ataaaggtcg cctcagggtnc ggtcgaattc ccggtcgacc cagcgctccg ctagaagagag 120
aggtagtgct ctgcagggtcc acgggaggac tcagtgacga cttgaaagca tcaaacacag 180
tggagggtcc atacgggtcg ctccagtagat gggcgcatca ttttatagaa tactgaggcc 240
cagaagaggga aggtgtctgt tctgtggtcg catgggggct cagtgggaaa gccgggaacta 300
aaagctggcc ccagcttagc tttgtgccag gccatctgct tcttacacag gggctgagaa 360
ccaggggcag ccaggagtc ctggatgggg cagcagtcac gttggatggg gctggggtgt 420
tggtctctccc ttctgggctt ctccaggagt gtcagggtca gccccagatc tcccagacca 480
agaagaggag cagcctgtgg ggagacactc atgccctgac atgagtcagt gcatacagag 540
agggccatcg ccagtggtgat tcagcaagca tgccctggcg tgccctggtat ggtgctgccc 600
atgggaggaa gagaagaggga gctgccaccc atttggggcc ytccttctct gggctctcag 660
atttgccttc cagcccarag tctatgaaga ccccgcgccc ctggatggtg gggaggagggg 720
catggacatc wttaccacaca ttctggcctt ggcaccccgcc ctccctgaaag actctggtag 780
tatcttctta gaagtggacc caaggcacc ccgancctgtc agcagctggc ttccagagccc 840
gctgcacctg taccttaate ttgtggctgt gcgcagggac ttctgtggga gggcccgctg 900
cctgcatact ccgagggtctg ggccatagca tggctgccc gtggatgctt tctcagtgcc 960
gccacctgca cagaggggga ggtggatggc acctttccaga gcccaggttc ttatggcatt 1020
tcccaggggt ctgtgatttc cccatgctct gccatttctg gatatttcta ggcacacctg 1080
attggctcca tcacatcaga gtggctgagg gcagttgtgc tatattgtgt aaattgctgt 1140
gggggtatcg ggggatattg ccagtaagat attgagagac taacaaaaaa aaaaaaaaaa 1200
aaactcga 1208

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<210> 15
<211> 1175
<212> DNA
<213> Homo sapiens

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<400> 15
gagcgggccc agggactccag cgtgccaggc tctggcatcc tgcacttgtt gccctctgac 60
acctgggaaag atggccggccc cgtggacctt caccctcttc tgtggtttgc tggcagccac 120
cttgatccaa gccaccctcca gtcccactgc agttctctac ctcgggccaa aagtcataaa 180
agaaaagctg acacaggagc tgaaggacca caacgcaccc agcatcctgc agcagctgcc 240

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getgctcagt	gccatgcggg	aaaagccagc	cgaggagcatc	cctgtgctgg	gcagcctggg	300
gaacaccgtc	ctgaagcaca	tcattctggc	gaaggtcctc	acaggtcaaca	tcctccagct	360
gcaggtggaac	ccctcggcca	atgaccagga	gctgctagtc	aagatcccc	tggaacatgg	420
ggctggattc	aacacggccc	tggtcaagac	catcgtggag	ttccacatga	cgactgagcg	480
ccaagccacc	atcccgatgg	acaccagtcg	aagtggcccc	acccgctggg	tcctcagctga	540
ctgtgccacc	agccatggga	gcttgcgcac	ccaaactgctg	cataagctct	cctctcctgg	600
gaacgcctta	tggaagcagg	tcattgaacct	cctagtgcac	tcacatgccaa	gggtggcccaa	660
ctgtagctgc	gctgaagctt	tcctccaggt	gaagccctcc	gccctttgtt	ccacctgggc	720
atcgaagcca	gctcgggaag	tcagttttac	accaaaaggtg	accaacttat	actccaacttg	780
aataaacata	gctctgactg	atgccagctg	atgaactctg	ggattggctg	gttccaacct	840
gatgtttctga	aaaacatcat	cactgagatc	atccactcca	tccttgcctcc	gaaccagaat	900
ggcaaatata	gatctggggg	cccagtgctc	ttgggtgaagg	ccttgggatt	cgaggcagct	960
gagtcctcac	tgaccaagga	tgcccttggt	cttactccag	cctcctttgt	gaaacccagc	1020
ttcctgtctc	cccagtggaag	acttggatgg	cagccatcag	ggaaggctgg	gtccagctg	1080
ggagtatggg	tgtgagctct	atagaccatc	cctytctgca	atcaataaac	acttgcctgt	1140
gaaaaaaaaa	aaaaaaaaaa	aaaaaa				1175

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<210> 16
<211> 2374
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (556)..(556)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (2344)..(2344)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (2346)..(2346)
<223> n equals a,t,g, or c

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<400> 16						
gatccaccaca	caacttaagt	ttaacatttt	aaattatttc	tttttttttc	atacatatgc	60
atagacaaatt	actgggtttt	tgtttttttt	tttgtttttt	tttcaagcga	catttgattt	120
gtattctttt	ataccttatt	gggtttgtwt	ttttactaac	catggtaaaa	atccatttga	180
gtgagcatct	ttgagtggtt	ttgcattgtg	ttttcacaca	gttgtaacct	taattaaagct	240
gctttttgcc	ttgctctggg	aaagcagctg	agcacacact	cttaatttct	aaggaaagctg	300
agctttccct	tgatgaatcr	ggagagagat	catgaacttg	gtgtatgagg	ttcwtgtgtc	360
ttgcttttca	agctggggta	agttaggcac	tgcaactacc	agcatcatat	tatgtaaccc	420
actggccctg	gtgtgcccct	attgctgagg	ctagacagat	ccatcagggc	ttagacagtt	480
agtgaagggtc	ctgggattag	gcgaaggga	gtccagttaa	tgtgtgaagc	tgctgggaa	540
ttgtgatgtg	gcaganattt	gagcaggtaa	agcttccgat	gtggaccaag	tacaagtaact	600
aagatcacgg	cacatctctc	aaaagggaag	cagatatatt	ggactgtcca	ggaattctgg	660
gagatagttg	gatggtgcca	tagctctttc	tcattctgaca	ctttttatgc	ttactcagag	720
tacgaatgcc	aagtatttgag	acaatacaga	ataaatattg	aattgagata	ttcctagaaa	780
gcagagtcac	catggctctt	ggtaagaagt	gaacttagagt	tccttgccca	gtgctcgctg	840
ggcttcatgt	catagtttgg	gctgggtcca	caggtgggat	aagattccac	caaagctcac	900
caggctgtgta	ctgaccccag	agtgctctcc	agggccctacc	ttatttttag	attcttttga	960
attgagtgtt	agagttgatt	cagtagtaaa	tgatagggga	gaagaattag	aaaaaccat	1020
ctctttttta	gcagtcacata	ttcttaaa	cttgaattgt	tttacaacag	agtcagcaaa	1080
ctttcttagc	atttctaaaa	gatggcagtt	tcctggagac	ccacatcttg	caaggcagta	1140
tttttcaaat	ataaaatagc	ccccaaacca	aaccttttaa	catgaagggc	aaatgggtta	1200
agacttaata	ttcttttttg	gtcaagata	cttaagttaa	atctagttgc	ttgtgaagta	1260
gtaaatagtaa	tagctctcat	tatttttgag	actgactata	ttgtgtcagc	ctctgtacctt	1320
ggatctgcaca	ttactacttc	atttctcttc	ctcagcagtt	ctggaagctg	tacctaccct	1380
gggtatgctt	tgccacaggt	cacagaagtt	actgaattag	agcaggaggt	ccccccaagt	1440
gtaaaaactc	aagagctcct	gcacttaggg	gtttacttca	ctaatcctct	aaacctattt	1500
attatgctta	agggcttttc	tcagctgacc	tgactttgtg	ttaggtcatt	cttttttatg	1560
ccagcagctg	ttgaagatgc	attgtcaagc	ctagcttcca	catttggctc	tcgaaggaga	1620
aagcagtcga	gttaaaacgt	aatgtacatg	atggaattgg	gaggatcata	gtctcagttt	1680

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cccccccyct ttctcccatc taggagacct ccttgggactg cagcaaaatt aaaaataaag 1740
cacagacaac agaattattc ttcaactgaga gagtttaata tgcgtttcta acaccatgta 1800
tacttctctt gtgtgttctt aggtcatcaa cacacattct ggttatcca gagctagaag 1850
ctcttctgtt tgcctaacta gttataagaa gatgaagac ataatgmc ttactgtatt 1920
cagtagtttg cyctttaatt ttcccyctac ycytagtttc caggcgacct cccaagagg 1980
gtatcagtgc actggataaa cagatgagaa agttccacaga tataaggaaa aaaaagcagat 2040
cygcacacgc agtgaataat agcattgagg gcaacaaaaa gccattgtga ccttgcyygg 2100
aatgtgtccc catctctact ctaagaaatg cgaatggac tctttggaga aagaagatat 2160
tttaaaacat ttttagtggt tctgtaaatg gttcagcgtg tatcagatgt tgcatagga 2220
ctcacatttc tctcagttat ttttaaaacc ttgtgtgact ttgtacaaag gaataactgt 2280
catactttta taaactttac acaataaaat ttcattctgg twaaaaaaa aaaaaggggg 2340
gccnctaa aaaaccaagc ttactttccc ttgc

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<210> 17
<211> 1595
<212> DNA
<213> Homo sapiens

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<400> 17
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tcaactacat tttcacaaat tattttttaa tgcgtgaaag agtaatttta cttggtgaga 120
tgtttattca ttttctaact tatgtctaaaa gcttttatca taagtcttgg gaacagttgt 180
catttacaca ttacttactg cagatattctt gactaaatca ggagggagggt gtttaatcat 240
ttgatatgta ttgttgacac tcaggaatag taatgcctaa aatttcacgt ggaatgagtc 300
tgtttcaagt tttaattcttt ttaaaaaatgt ttacttatt tttaaatcac ttgaaaaaaa 360
ttgacctcca gaatgctggt ttatgaaatt ggcaataaaa tgaaggtatt caatttttga 420
gggaagatga cattgcacca aaataccttt ttgtgacacc tattaaccca catgaaaaat 480
aaccttttcag gatctatttc ctatgtggaa ttctttcaaa tgcctttctc acggaatgt 540
tttctcactc ttctgtttgt tcccttact tacatgttct tcttttctct atactgtgaa 600
ctctggaaac aaactagatt ggggttggttg ggttggttct tggagttaat 660
gtatatcaac aaaggatttg aggtcacttc tgagaataat atatcaaaaa ggggtactggt 720
tagagaaaat ataagaaata aatccagccc agagagagta ctagaatgt aatgtgagt 780
aaaaagccag ttttgaatcc tatttacgtg acagtgtatc atgctgtcat ttaattctca 840
gaasactct cgttatatag tttatcctca tttgttagat gaggatagca ggcctagaag 900
gatttggtaa ttactaatlg tcatgatagg gatttaaatc tgggaattgaa gtaatttgtt 960
ctcaactc taagetaact gaacatcaga catlaagaga gatgatcctt attgaagtaa 1020
acoagttcct aaagatacct tgaagtatac atacttgga atcctgttca gtagtaattt 1080
taggaagtag gtacacagta tgaagtcttc ttgtgctca gttggccata gatggaattc 1140
tgtgtttgcc actcataga aatttaggaa tttaggcag ttttagcga gtcacacctg 1200
taatcccgag actttgggag gccgagcgcg ccagatcaac tacaataaaa gccggcgctg 1260
cagcctgacc aacatgggga aacccgtct ctactaaaaa tacaataaaa gccggcgctg 1320
tgtgtgatac cctgtaatcc cagctactcg agagggccag gccgggtgact cacttgaggc 1380
cagaagttca agaccagcct gcccaacatg gcaaaactcg gctctcata aaaaacaaa 1440
aattagccag gtgtggtaac gcagacctgt aatcccagct actcgaatca ggagaatcac 1500
ttgaaacccag gaggcagagg ttgtcagtag tccgagatc gcactctagc ctgggtgaca 1560
gagtggagct ctgtctaaaa aaaaaaaaaa aaaa

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<210> 18
<211> 1287
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1188)..(1188)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1202)..(1202)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1230)..(1230)
<223> n equals a,t,g, or c

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<220>
 <221> misc_feature
 <222> (1264)..(1264)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1277)..(1277)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1282)..(1282)
 <223> n equals a,t,g, or c

<400> 18
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 tcttgggttg acatgcattgt ctctcattat cagctatcag tatttagtgc atgctttgttc 240
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 1287

<210> 19
 <211> 1396
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (668)..(668)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (739)..(739)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (751)..(751)
 <223> n equals a,t,g, or c

<400> 19
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 caggagctgg cgttctctgc gtaagggtg ttttttagag tgatgttttt tctcctctgt 240
 ctcggtgccc tggagatcaa aggttcact ttctcagcga ggggtgccag ggacagattt 300


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ctaaacaagt ctggaccgca gccaggaaaa aagatgaaaa caacacactg taacacagcct 360
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<210> 20
<211> 1277
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1207)..(1207)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1272)..(1272)
<223> n equals a,t,g, or c

<400> 20
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<210> 21
<211> 1781
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

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<222> (1494)..(1494)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1496)..(1496)
 <223> n equals a,t,g, or c

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<400> 21
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<210> 22
 <211> 1491
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1425)..(1426)
 <223> n equals a,t,g, or c

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<400> 22
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<210> 23
 <211> 1389
 <212> DNA
 <213> Homo sapiens

<400> 23						
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<210> 24
 <211> 1384
 <212> DNA
 <213> Homo sapiens

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<210> 25
 <211> 1681
 <212> DNA
 <213> Homo sapiens

<400> 25						
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<210> 26
 <211> 1949
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 <213> Homo sapiens

<220>
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 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1948)..(1948)
 <223> n equals a,t,g, or c

<400> 26

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<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (2264)..(2264)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (2278)..(2279)
<223> n equals a,t,g, or c

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<210> 28
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 28						
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<210> 29
 <211> 1296
 <212> DNA
 <213> Homo sapiens

<400> 29						
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<210> 30
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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n equals a,t,g, or c

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<210> 31
 <211> 1274
 <212> DNA
 <213> Homo sapiens

<400> 31						
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<210> 32
 <211> 1531
 <212> DNA
 <213> Homo sapiens

<400> 32						
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<210> 33
 <211> 2090
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (967)..(967)
 <223> n equals a,t,g, or c

<400> 33						
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<210> 34
 <211> 1006
 <212> DNA
 <213> Homo sapiens

<400> 34						
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cggtggggcg	actctgtcca	gatttggggc	caaggaggcc	tctgtctatt	taaaagactg	960
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<210> 35
 <211> 1787
 <212> DNA
 <213> Homo sapiens

<400> 35
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```

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acctcagtat atctgcaggt acctgtttga tacgaaaacc ggtgaggtcc aaacattgtg 180
gtggtgcaaa ccgctgtata gcaaaatttg atcatcattg cccatgggtg ggtaacctgtg 240
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gctggtgatgt ttatggttgt atattctact ggggactcca ctgtgagacc acttacacca 360
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tggtctcgaa cagtggtttt cacttcactgt ggggtggctgt attactcatg tgtcagatgt 480
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tggtatatac tcccttttaa ttctcagctg caaaataatt gtatgcaaaa twatggcatt 1680
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gtataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaggg cggtccgc 1787

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<210> 36
<211> 1201
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (29)..(29)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (48)..(48)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (63)..(63)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1201)..(1201)
<223> n equals a,t,g, or c

```

```

<400> 36
taggtctttg caaaaagctt tttaggtgnc ctatagaagg tacgcctnca ggtaccggtc 60
cgmaattccc ggtcgacccc acgcgtccga aggaaactac ttgagraggg acccaacttt 120
ccgctatctt ttgggttcat tccaaatagt tttgtgccc tgaaaaactt gaccttcaa 180
aaaatttgtt tttcagaata gaacacaata ggacagtgac tgcacagttg tgaaaaagga 240
agagaatcat taagaaaaaa gaaaaaagat tttaagaccg ttgaaactaa ttatcaagaa 300
cgtcctcaaa cacttatggc tttagacttt ttattgatcc agattatttt ccttgcattg 360
gggaaaatat ctttcatatt tgtttgctgt aaagatggtt ttgcagaagt aagtcattgc 420
caagacaac tgccaatata aaagcccact gatactaatt atataatgag aaaaaaatgt 480
atcgacatac gacacatatc ttttgagtta ttggactgca aagcttaaga aaacttgaa 540
aattctattt tgtgatctag tcaagccaca gttatcaaa gctacatttt cagtgtaa 600

```

```

taaatgggatg agtaaaactca aatatgtatc acgtgtgctt tgtatcttaa gatgtgttc 660
caagaagatc tgaaattttt ttgtacatg tatcttgatc atttataaag cactgtgtg 720
ctaaataatca agtaaaatcca ttgtcataac catttttaa agtcaaaaat taagacatcc 780
ttaattaaac agtttcaaat ctagacacta aatgtgtgtg aatgtacaaa gaaaacaaa 840
catgtcttat gctgtttaat actagagaaa ttttgtttt ctgtgtgtt taacttgaca 900
gatgaaggac tttagtgtaa cttcatattg taagaactgt taataaaagt tgtcaagtaa 960
aaagcgctat atctaaaaag actttatgaa cagttattct atcaactttt aaaggtttta 1020
aaactggcca gaattacct ttgtatctga agtttccctc tgtctccttc tctaattaa 1080
cttgttattt gtcatgcacc agcattggag ataataaaat ttcttgttct gtgtaaaaaa 1140
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
n 1201

```

```

<210> 37
<211> 1896
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (444)..(444)
<223> n equals a,t,g, or c

```

```

<400> 37
ctgcaggaa tgcggcacgag cggaaccggg gccggctgct gtgcatgctg gcgctgacct 60
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ccgactctctt ccacatgtctg tcggacgtgc tggcgctggt ggtggcgctg gtggccgagc 180
gcttcgccccg cgggaaccacc gccaccgaga agaacacgtt cggctggagt cgagccgagg 240
taatggggggc cttgggtgaac gccattcttc tgactggcct ctgtttcgcc atcctgctgg 300
agggcatcga gcgcttcatc gagccgcacg agatgcagca gccgctgggt gtccctgggg 360
tcggcgctggc cgggctgctg gtcaacgtgc tggggctctg cctcttcac catcacagc 420
gcttcagcca ggaactccggc caccgccact cgcacggggg tcacggccac ggccacggcc 480
tcaccaaggg gccctgcggt aagagcacc gccccgggag cagcgacatc aacgtggccc 540
cgggcgagca gggctccgac caggaggaga ccaacacctt ggtggccaat accagcaact 600
ccaacgggct gaaattggac cccgcagacc cagaaaaacc cagaagtggg gatacagtg 660
aagtaacaagt gaatggaaat ctgttcagag aacctgacca tatggaactg gaagaagata 720
gggtctggaca accttgaact cgtggagttt tctctgatgt ccttggagat gccttgggtt 780
cagtgattgt agtagtaaat gctttagtct ttacttttc ttgaaaagg ttgtctgaag 840
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cagaaaagtc cccagcagct agcatttctt gtttagaact tagtaaaact catagagaag 1440
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cataacagag ttctatatta caattttgtg attattagta cagagtacag ctatgctgtg 1740
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ttatatacaa ttaatgacatt tgatttcttg atttttccca tgataaaaat taggggggata 1860
aataaaaatt ttaactggaat ttctctgcaa aaaaaa 1896

```

```

<210> 38
<211> 1152
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1145)..(1145)
<223> n equals a,t,g, or c

```

```

<400> 38
agttccaggga taaaaacaga cgtgtgtctca gtaactggcc agaggatacg gatgtccctct 60
acatcgtgtgt gtcactgttt gtagaagagt ggcggaaatt tgttagaaga cctacaagat 120
gcagccctgtg gtcactcagt gggaacagtg ctcttttgtg tccccacggg ggccctcagt 180
ttacatttgc ttccatgacc aaagaagatt ctaaaacttat agctctcata tggcccagtg 240
agtgggcaaat gatcaaaaag ctcttttgtg tggatcatgt aattaaaatc acgagaattg 300
aagtgggaga tgtaaaacct tcagaaaacac agtataattc tgagcccaaa ctctgtccag 360
aatgcagaga aggccttatg tgtcagcagc agagggacct gcgtgaatac actcaagcca 420
ccatctatgt ccataaagt gtggataata aaaaggtgat gaaggattcg gctccggaac 480
tgaattgtag tagttctgaa acagaggagg acaagggaaga agctaaacca agtgaggaaa 540
aagatccaga ttttaataca agcmtatggt gaacaaacgc gcaaaagata tcccatcaaa 600
attatatagc ctatcaaaaag caagttattc gccgaagtat gcgacataga aaagtctgtg 660
gtgagaagaac acttctcgtt tctgtctaac agacgttaaa agaattgaaa attcagatca 720
tgcctgcatt ttcagttgct ccttttgacc agaatttgtc aattgatgga aagattttaa 780
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ggatttaaga attaaacat tacatgcccc ttccaaaagg cagaaatcca tccaacagt 1080
actgtcccaa atgccttatg tcaataaagc cagattgcac tgatggaaaa aaaaaaaaaa 1140
aaaaaactcg ag                                     1152

```

```

<210> 39
<211> 1017
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (822)..(822)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (994)..(994)
<223> n equals a,t,g, or c

```

```

<400> 39
gaacaaagt cagtactga gagggtctgag cggaggtctg tgaaggggag aaaggagtga 60
ggagctgctg ggcagagagg gactgtccgg ctcccagatg ctggggagcac 120
agccctcgtg ggtgagatca caggtgctgc tgttgccgtc ctgctgtctg 180
ggcccaactg ctcttccacg cagcggcagga ctgtgactgt gagaggaacc gtacacgtgc 240
agggggaaac cgaagtccgc ggcccacgcc ttggcccttc cggcggcggg gccacctggg 300
aatctttcac catcacgcgt atctctggcca cgtatctcat gtgccgaatg tggccctcca 360
ccaccaacac cacccecgcc acamccctca ccaccwccac caccaccacc acccccaccg 420
ccaccatccc gcgccagctc gctgargctg ctgtgcgggg tgcccttgga cagcagctgc 480
ccctcccttc ccactgttgc ccaggacaag tggaccceat gtttccatgt ggaaggatgc 540
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ggtttgggga gtggagagca aggtgtctct ttcggggctg gacagccgtg cttgtgacag 720
tgactcccag tgagcccacg aatagacaag cgtgtcttgg cagagccagc acacaagtgg 780
atgtgaagtg cccgtcttga cctcctcatc aggcctctgc angcctctgg cgggcaggcg 840
actgggagag gccctgagaa tgtccttttg gtttggagaa ggcagtggtga ggctgcacag 900
tcaatcatc ggtgccttag tccaagaaaa taaaaccac taagaaaaaa aaaaaaaaaa 960
aatgaccctc gagggggggc ccggtaccca attngcccta tgaaggagcg aacagga 1017

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```

<210> 40
<211> 1777
<212> DNA
<213> Homo sapiens

```

```

<400> 40
ggcacgaggt ccccgacgcg ccccgcccaa cccctacgat gaagaggggg tccgtgtggag 60
ggagccgctg gctggcatgg gtgctgtggc tgcaggcctg gcaggtggca gccccatgcc 120
caggtgcctg cgtatgcacg aatgagccca aggtgacagc aagctgcccc cagcaggggc 180
tgacagctgt gccctgtggc atccctgctg ccaggcagcg catcttctctg caccggcaacc 240

```

```

geatctcgca tgtgccagct gccagcttcc gtgectgcgg caacctcacc atccctgtggc 300
tgctactcgaa tgtgctggcc cgaattgatg cggctgcctt cactggccctg gccctctctgg 360
agcactcgga cctcagcgat aatgcacagc tccggtctgt ggaccctgcc acattccacg 420
ggctggggcgg cctcacacag ctgcacctgg accgctgcgg cctgcaggag ctggggcccg 480
cactgctctga cggcctggct gccctgcagt accctacact gcaggacaac gcgctgcagg 540
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ggtatataga gatatgcat ttattttact tgtgtaaaaa tatcggaaga cgtggaataa 1740
agagctcttt tcttaaaaaa aaaaaaaaaa aactcga 1777

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```

<210> 41
<211> 1003
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (990)..(990)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1002)..(1002)
<223> n equals a,t,g, or c

```

```

<400> 41
aatctggcac gagtctctct cctcctgttt tgctacattc tccctcagtg caaaaagttt 60
cactctacct ctgacagcat gtatatgtca ccagtagcta acaaaaactg gctctagtc 120
accaaatggg cacaaaagaa ccaggatacc aaaagttaa gctacacagc tgcaaacact 180
atacctcttt ggtaacaatg cagacctcat aaacctaaa aagagaaaga aaagaaact 240
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aggatataca cattaaagaa aagttatctt cttgtgatag aattgaaagg tggctgcgtg 360
taggaatagg gcgtctctca gctcttatct ctgtctctta cttctttctc tttctctttt 420
tctctgtcat gagactgtgt gtgacagggc cactctgtct tttttttttc ttaaaatttt 480
ttttcttttt atgtgtaggt gcatgtcttg gggatttaa aatttcaagg ctggtttact 540
tatgcaaaag atgcctactg ctggaatact tagggaaaga aagcgactcc atgtgtgccg 600
aatttcccaa gggacagaaa aaaaattgga gactgttgaa atgcagattt gaagttaatt 660
tttttaaaaa ttattttggg ttctgcgaca ttgtgaaaa ttaagattgt tgtgcaatc 720
ttaattcaga catgtaccac aagttaatgg tagactaaca ctgggggggt gggctcaggc 780
atcatgcttt ctctcagata cctctgagct ttaagtcta ctatgctcga actgtgggtt 840
cttgtttatc ctttttttct tagttggact gtaatgtatg gtctgtcaac ctgtgaaatc 900
ttaaagtatg attcaagggt ttttgtatct ttactgtgt atataaaaaa ttgaaaaaaa 960
aaaaaaaaa acccaagggg gggcccggtt cctttccccc tnt 1003

```

```

<210> 42
<211> 1201
<212> DNA
<213> Homo sapiens

```

```

<400> 42
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<210> 43
<211> 1176
<212> DNA
<213> Homo sapiens

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<210> 44
<211> 569
<212> DNA
<213> Homo sapiens

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ccccaggcag gtcggggact ggagcagccc ccaggttgccc agcagtgctg gcagcggagg 360
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaaaa gggggggccc 569

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<210> 45
 <211> 986
 <212> DNA
 <213> Homo sapiens

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<210> 46
 <211> 1540
 <212> DNA
 <213> Homo sapiens

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<210> 47
 <211> 792
 <212> DNA
 <213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>

<221> misc_feature

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<223> n equals a,t,g, or c

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<221> misc_feature

<222> (779)..(779)

<223> n equals a,t,g, or c

<400> 47

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gaaactttta	ctacataccc	ctctccccc	aatctgagtg	tctgtcttgc	tcaggtagca	300
tgtgttccact	ggataaaatc	ttgattcctg	gcactgaggg	aggggtttctg	ttcccaggaa	360
gcagagctac	actattctgt	gaaggattga	ctgagtttct	cctaatacca	agcagtatct	420
gaggggaacag	atgtctagct	taaaatccct	cctagcactt	gtcatagcag	tgctacgtat	480
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<210> 48

<211> 1497

<212> DNA

<213> Homo sapiens

<400> 48

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<210> 49

<211> 1340

<212> DNA

<213> Homo sapiens

<400> 49

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 <211> 1539
 <212> DNA
 <213> Homo sapiens

<400> 50						
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 <212> DNA
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aagtataaaa	tttattgtaa	cacaaaaaaa	aaaaaaaaaa	aaa		1423

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 <211> 1364
 <212> DNA
 <213> Homo sapiens

<400> 52						
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caacattaga	cttaccattt	ttctttcagt	gtgtagggac	aaagtgtact	gctgtgtgtg	180
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<210> 53
 <211> 2288
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (940)..(940)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1279)..(1279)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1798)..(1798)
 <223> n equals a,t,g, or c

<220>
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 <222> (2280)..(2280)
 <223> n equals a,t,g, or c

<220>
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 <222> (2285)..(2285)
 <223> n equals a,t,g, or c

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<210> 54
 <211> 1512
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (2)..(2)
 <223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (8)..(8)
<223> n equals a,t,g, or c

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<220>
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<222> (16)..(16)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (21)..(21)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (29)..(29)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (528)..(528)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (600)..(600)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1496)..(1496)
<223> n equals a,t,g, or c

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aaagtgcaga ggggtacgta aatggggtag attattttac tgacctgtgg aatgtgatgg 180
aacagctctg gcttttttac ttcatagcag gaattgtatt tcggctccac tctcttaata 240
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cggtcatcta cgagccctam ctggccatgt tcggccaggt gccagtnac gtggatggta 480
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agctggatga gcacaacctg ccccggttcc ccgagtgat caccatcccc ctggtgtgca 600
tctacatggt atccaccaac atcctgctgg tcaacctgct ggtcgccatg tttggctaca 660
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aaggcgccgc gc

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<210> 55
<211> 1357

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<212> DNA
<213> Homo sapiens

<400> 55
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tttgtgcaat aggttccaat atgcatttat tagacatctg tttaaatggt aatgtagcat 180
tatttttgtc aaattgaaag ggaacataga tggaaattcca aaatatgtac attcagctgt 240
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gtgcgcgtca gccagtgcca cctcgggcca cgctgtgggg ccacctcagt cctcctgggg 360
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cctcagacca caagagcgga ctgccctggc ccaagcactg cagctgcctg caccctcggg 480
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<210> 56
<211> 1989
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (31)..(31)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (161)..(162)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1702)..(1702)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1943)..(1943)
<223> n equals a,t,g, or c

<400> 56
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gtttttatgg	aaaacactaa	catgccagaa	gtcaccatct	gtcaaaacaa	aaactacaat	1920
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<210> 57

<211> 2543

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2538) ..(2538)

<223> n equals a,t,g, or c

<400> 57

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<210> 58
 <211> 777
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (766)..(766)
 <223> n equals a,t,g, or c

<400> 58						
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cttcaactgt	gtaagcagag	tgctgagcca	tcactgtttc	agcaccactg	ggagctctgag	180
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aataaatgta	ttcatttatg	tggttttcca	gagctttctg	ggagtgtggga	aaataaatata	720
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<210> 59
 <211> 879
 <212> DNA
 <213> Homo sapiens

<400> 59						
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agggaaggttc	gcAAagctga	atatccactc	gtgctgttcc	ctcttcacag	gagattctctg	840
tcacagctcg	attctgcctc	gaaggcagga	ggagtgaag			879

<210> 60
 <211> 1161
 <212> DNA
 <213> Homo sapiens

<400> 60						
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ccctaccagg	ggctctctga	cagtgcacct	cacagcagtt	gttgagatgg	tttaagagcg	1080
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gttaaaaaaa	aaaaaaaaaa	a				1161

<210> 61

<211> 687

<212> DNA

<213> Homo sapiens

<400> 61

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<210> 62

<211> 518

<212> DNA

<213> Homo sapiens

<400> 62

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tggtttgcga	atattttatt	gaggattttt	gcacatcagt	tcttcaggga	tattgtctca	300
aaattctctct	ttttttttgt	tgctctctgc	aggctttgtg	atcaggatga	tgctggcctc	360
ataaatgagt	tagggaggat	tcctcttttc	tattgatcag	aatagtttca	gaaggaaatg	420
taccagctct	cttttgtacc	tctggtagaa	tttgggtgtg	aatctatctt	gtcctggaat	480
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<210> 63

<211> 911

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (911)..(911)

<223> n equals a,t,g, or c

<400> 63

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atccagtcct	ttctaatacc	ctgagctaac	acattactcc	tgcaggctct	aggtacacat	180
gcagggtccct	tgaggggcac	caacatggag	gtaggcagtt	tctaggactg	tcccagctac	240
atctaccacc	gagagagcct	ttttttgctt	tgattcgaga	ctcaccctgg	ccttttggtc	300
tcccctgctt	gagagagcct	tgaggagggg	acagacccca	gccctctccc	tggtggctgag	360
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cctaactgct	tcccgcggcc	ctgctgcgat	atgctcttgg	aactcttccc	caaggagtca	480
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gaaggatctc	tatgtatgtg	tgtatataaa	tatagttttt	tatctatata	tataaaaaaa	840
aaaaaaaaaa	aaaaaaaaac	cgaggggggg	cccggtaccc	aattcgccat	atggtgatgg	900
caaatgggaa	n					911

<210> 64
 <211> 963
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)..(2)
 <223> n equals a,t,g, or c

<400> 64						
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agg						963

<210> 65
 <211> 1001
 <212> DNA
 <213> Homo sapiens

<400> 65						
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<210> 66

<211> 1558

<212> DNA

<213> Homo sapiens

<400> 66

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catgcgggccc	ttgcgcctct	ctttaccac	atgtgggccc	tgacgctctc	cttaccacca	120
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<210> 67

<211> 1322

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (11)..(11)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (690)..(690)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (719)..(720)

<223> n equals a,t,g, or c

<400> 67

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<210> 68

<211> 865

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (445)..(445)

<223> n equals a,t,g, or c

<400> 68

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<210> 69

<211> 1150

<212> DNA

<213> Homo sapiens

<400> 69

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aaaaaaaaa						1150

<210> 70
 <211> 1398
 <212> DNA
 <213> Homo sapiens

<400> 70						
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<210> 71
 <211> 1557
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1541)..(1541)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1549)..(1549)
 <223> n equals a,t,g, or c

<400> 71						
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<210> 72

<211> 1163

<212> DNA

<213> Homo sapiens

<400> 72

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<210> 73

<211> 1486

<212> DNA

<213> Homo sapiens

<400> 73

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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaa		1486

<210> 74
 <211> 1553
 <212> DNA
 <213> Homo sapiens

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<210> 75
 <211> 1650
 <212> DNA
 <213> Homo sapiens

<400> 75						
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<210> 76
 <211> 2150
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <222> (1198)..(1198)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1201)..(1201)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1266)..(1266)
 <223> n equals a,t,g, or c

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<210> 77
 <211> 1592
 <212> DNA
 <213> Homo sapiens

<400> 77						
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tgtatttaggg	tctcttagag	ggacagagct	aataggatat	atataatcct	attatatata	420
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<210> 78
 <211> 1579
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1529)..(1529)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1556)..(1556)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1569)..(1569)
 <223> n equals a,t,g, or c

<400> 78						
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<210> 79

<211> 1396

<212> DNA

<213> Homo sapiens

<400> 79

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<210> 80

<211> 1230

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1223)..(1223)

<223> n equals a,t,g, or c

<400> 80

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cccccttgcac	ccgggaatttg	aagagggtcta	cagatttcggg	gcagagagcca	ggaaactcct	240
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<210> 81
 <211> 1139
 <212> DNA
 <213> Homo sapiens

<400> 81						
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<210> 82
 <211> 1409
 <212> DNA
 <213> Homo sapiens

<400> 82						
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<210> 83
<211> 714
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (704)..(704)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (709)..(709)
<223> n equals a,t,g, or c

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<220>
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<222> (714)..(714)
<223> n equals a,t,g, or c

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<400> 83
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<210> 84
<211> 1097
<212> DNA
<213> Homo sapiens

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<400> 84
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<210> 85
<211> 1931
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1904)..(1904)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1914)..(1914)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1921)..(1921)
<223> n equals a,t,g, or c

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ggggacacaa gcagcggcca atggtatctg ggcggagctc acagagtctc tggaaataaa 1860
gcaacctcag aacaaaaaaa aaaaaaaaaa aaaaggcgcg cgmctcaaa aggttcaag 1920
nttactgtac g

```

```

<210> 86
<211> 1092
<212> DNA
<213> Homo sapiens

```

```

<400> 86
aggccatgac ctccctcagg atgcctggct gcgctgggtg ctggctgggg cgctgtgtgc 60

```

```

cggtggctg gcatgaact acctccggtt cttctgatg gagaagacac tcttctctta 120
ccactacttg ccgcgaacta ccttccaaat ccttctgtct cctgtgtgtc tgcagacat 180
caggcagcac ctgtgtaggt cccagctcca gaggagatc ttcagcgccc tgggtgtggc 240
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ctcactctcg ccactgaac tcaggccctc tcgctggaaa gacagctggg acatcttcat 360
cgcgaaacac tagaacaaga gtgtggcaaa gaacaccgt gctgggtctg ggcagaggtt 420
gaagggtctt ggtcaatgta cgtaatgagc aggggtggcc ccacgctggg agggacacgg 480
ctgggctgag cagggcctct agtggaaacac atgggggtct cattgaaaag ctctctgatg 540
agaccctctt ttgtgtcaaa gttaatTTTT tctcgacaat aaagatattc cgtgtcttca 600
cccctgaact aagaccaggg agtatattca gaaggccaag cgtaggagtc atcgacaacg 660
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tcagtgttgg agggccacct gaaccacgag ccagggtctg ggcttgcatg tcatgttcta 900
tgacacgctc aagactggcc cttggcacgc tgcgtgttgg aaacccctcc ctctgagact 960
ccactgagac gtggctgagt gaaatcttcc tcgtcagttg tcaaggtgtg tcatccatac 1020
agctccatgc ttgtgtcttt tttaaatgta attaaaaaag gaaccaactg gaaaaaaaaa 1080
aaaaaaaaaa aa 1092

```

```

<210> 87
<211> 578
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (576)..(576)
<223> n equals a,t,g, or c

```

```

<400> 87
gggacatctg coggctggag cgggcagtg ggcgcgatga gccctctgcc ctggcccgagg 60
cccttacctg gaggcaggga agggcacagg ctggagccat gctgtctctc gggtgtgtgt 120
ggggggcccta cgtggccaca ctgtctctct cagtcctggc ctatgakkac gcggccgccac 180
tgsggctctg gacactgttg tccctctctt cctctaggaa tgcacagtga cggcagctgc 240
cgtagcccat ggggctgggc gatcagcgct acacagcccc ctggagggga gccggcccaaa 300
ggtgctgtga ggggctgtgg ggaagagcct cccgggacag tccggggccc agcattgctt 360
accacccaag cagcccaaag agtgcgac ccagctcagc tggacttgaa ggcctctgtg 420
gactcctacc agagacccct cctctgtttg accccgact gactgaataa agctcctctg 480
tctctggatc agagacccct cctctgtttg accccgact gactgaataa agctcctctg 540
gccgtttaaa aaaaaaaaaa aaaaaaaaaa ggggggnc 578

```

```

<210> 88
<211> 699
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (661)..(661)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (694)..(694)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (696)..(696)
<223> n equals a,t,g, or c

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```

<400> 88
tcgacccacg cgtccggaag cccccaacag ccacgctcac cactgctcgg acgaggccga 60
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gagtttccag cagctctccg cacttgagga gggagagaga gggagggatc ttggagctac 180
tcacagcctg cctctgtgtg tgctctctcg tgatcttcta gtgggtctctg gggaaatcag 240

```

gaaaaggcag	atgggaggtt	gtgtatggaa	agggtgggga	tggaaatccgg	agaaatgggtt	300
tggggtcttg	gtctgtcttg	taacaaacccg	agtgaccttg	ggcaagctcc	tgctccctctc	360
tggggtccag	ttcttcacac	tgtatttggga	raggggttggg	atggggaactg	aagtcctctgc	420
cagctctgac	cttctgtgaa	gtgcaactgtt	gagcagctctt	ggaagctctct	gttcacagcca	480
tggacacaca	gaggagcagc	aggcagggcat	caggcccaaaa	ctgtctgtctt	ctgatgggctt	540
tgacacccat	gaaagtgggg	cttgcctggat	gcatttctctg	ggattctctgt	gaagctgtatc	600
aggttctgtg	ggcaagtggga	ggcaggatag	aagtgaagggt	ctgtgggatg	gagaaacctca	660
naagactcca	tctgggggtcc	gggaaaggac	agananggt			699

<210> 89
 <211> 1126
 <212> DNA
 <213> Homo sapiens

<400> 89	ggcasagcca	accctgagga	ctcagtgtgc	atcctggaag	gcttctctgt	gactgcaatt	60
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	agtgggggca	gattctgtgc	ctgggggaagg	aaacaggagc	ctgggtcaca	gyttagtgtat	180
	ggagatatga	cctcagccct	aaggggggtt	gctgatgacc	aaggacagca	cccactgttg	240
	aagatgcttc	ttcacctgtt	ggctttctct	ctgcagcaa	caggtcacct	tcaagccatt	300
	gtctctgacc	agtgccctaa	ggtttttggt	aaattagccg	aaaacacctt	ctgtgatttc	360
	ttggccaggt	ctcagtgtgt	gttccaaagt	ctgccaaagt	cttcagccc	agagacaccc	420
	ctgcctagcg	tgctgtctgt	tggttagctc	ctctccctgc	tggcgagaca	cgaccagctg	480
	gcacctcagc	ctgtttccca	ctcagaagcg	tgctctctgc	tgctgtctga	catgtacatc	540
	acatcacggc	ctgacagagt	ggccttggag	acacaatggc	tccagctgga	acaagaggtg	600
	gtgtgctctc	aattgtggag	tggtgtgcaa	gagccctctg	ccccagctg	ctgggtccaa	660
	ctgcccagtg	aattgtggag	tggtcagagc	gtccacgggt	atgttgacaa	gacagtggct	720
	gacagtgcgg	agggcagggg	gaccccaag	gaccgaccag	cagagggcga	cagtgcgctg	780
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	gcactgcgtg	gaggtcctgc	atcagtttga	ccaggtgatg	ccgggggtga	gcattgctcat	900
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	ggaaacagct	ttgggaagac	ccgaggtgga	gtgtggctga	ggccctgatg	gtccagccac	1020
	atgggtgcac	cagcaccaat	cccttctcta	ccacatcaac	tgtattaaagc	agtgaccagc	1080
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<210> 90
 <211> 1037
 <212> DNA
 <213> Homo sapiens

<400> 90	agggttgatg	ggttatggct	aggagtccca	gctgggceca	ccacctctc	aggaaggcgg	60
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	atctcccggc	ctcgggtctc	tgccctggcc	agcatgagag	gtgtcttaca	ggaacggagg	180
	gaggacatgt	ytggacagct	cgatgctcgg	ctctgctcgt	ctgtccacc	cagggccctg	240
	gctcaccttc	cttggacctg	tctgcttcca	aggaagggga	ccctctgag	tcccacagag	300
	gccaccccag	ytgtgggtcg	tgagcatctc	tgcttctgag	ggacagcatt	gtggccgagc	360
	tggaacagga	gatgacagc	agcgtggagc	tgaccaacac	camcttctgt	ctcatggcgc	420
	ctctcatcga	cttccacgag	cagaaccccg	atgccgccct	gcgtgcctgt	caccaggggg	480
	acagccttga	tggtgtgagt	gcctccctgc	tctggggcag	cccaggggag	caagtgcgcc	540
	ctgcacacat	tcagagctgc	gcacggccct	gctggctgtc	gtcatgggag	cagagaaagg	600
	tggtgtctga	atgagggcct	ggcctgctgt	ccaggctcca	gctccctctg	ccagtgtggg	660
	agggactccc	atctgcgcac	caggctgcgg	atccaaaggc	acgggtgccca	rgctgcaacc	720
	ctctgttccc	aagggcagag	cagaaaagcgg	ctttgtctct	gctcgggttc	tggttcccac	780
	ccccccacag	agcctctctg	gtctcggccc	tgggcccagt	ctctcaggcc	tccccgggac	840
	ccccataccg	gcctctctcc	agggccctct	ggggttgggg	tgctgaagct	ctcgaaggtt	900
	gggtcccccc	tccacccatg	gatgtgactc	cgggccatgt	accgggcatc	ggtcagacaa	960
	agtggtgacg	ttcttcccgc	tgagctgtcc	ctgcagtgcc	tgccctccac	tgtgagttgc	1020
	aagctgggga	tttctatg					1037

<210> 91
 <211> 1316
 <212> DNA
 <213> Homo sapiens

<400> 91

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ggcgacgagge ctggcgcgct gggcgctgcg tcacccgctc cggaggaagg gcagtgggcc 60
ccggcgccgc ctcccaatgg cgaggctgcg ggattgctcg ccccgctga tgctcacgct 120
ccggtccctg ctcttctggt cctgtgtcta ctgctactgc gggctcttgc cctccatcca 180
cctgctcaaa cttttgtgga gctcgggcaa gggcgccggc cagaccttcc ggcggccgcg 240
ccgggagcac cctcccgctg gcttgagcga cccctccttg ggcacccact gctacgtgcg 300
gatcaaggat tcaagggttaa gatttcacta tgttgcgtct ggagaagaag gcaaacacct 360
tatgctcgtg ctccatggat ttccagaatt ctggtattct tggcgttacc aactgagaga 420
attttaaagt gaatatcgag ttgtagcact ggatttgaga ggttatggag aaacagatgc 480
tcccatttat cgacagaatt ataaattgga ttgtctaatt acagatataa aggatatttt 540
agattcttta gggtagtaca aatgtgttct tatggccat gactgggggg catgatgtgc 600
ttggcctaatt gccatctggt atcctgaaat ggtgatgaag cttatgttta ttaactccc 660
tcatacaaat gtattttacg aatatatttt acgacacct gctcagctgt tgaatccag 720
ttattattac ttcttccaaa taccatggtt ccagaaattt atgttctcaa taaatgattt 780
caagggtttt aaacatctgt ttaccagtca cagcactggc attggaagaa aaggatgcca 840
attaacaaca gaggatcttg aagcttatat ttatgtcttt tctcagcctg gagcattaag 900
tggcccaatt aaccattacc gaaatatctt cagctgcctg cctctcaaac atcacatggt 960
gaccactcca acactactac tgtggggaga gaatgacgca ttcatggagg ttgagatggc 1020
tgaagtccaa aagattttat ttaaaaacta ttccaggcta actattttgt cagaagcgca 1080
tcattggctt cagcaagacc aacctgacat agtgaacaaa ttgatattgga catttctaaa 1140
agaagaaaca agaaaaaaag attgactttt ctttatcttc tatgaagggt ctgtaaatgaa 1200
atctctaaat aattttttaa aattgttcat caactctttt atgttttatt agaaaaaac 1260
tgttttaaag tgctttatca taaataaata cctgacaaa tggtattgaa aaaaaa 1316

<210> 92
<211> 1021
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (971)..(971)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1004)..(1004)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1008)..(1008)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1010)..(1010)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1018)..(1018)
<223> n equals a,t,g, or c

<400> 92
ggcgcccttt tttttttttt tttttttttt tttttttttt ttttggcctt agtcatcatt 60
tcttgataaa tacaaaatag taagacaatt ttacaaaaat tgtgctatag aataggatatt 120
ttgtgacttt tttagatgaa tattagagctt accccaccca gccacagata gcaactgaac 180
actttcttaa tagagtatag gttcaaatat taaagtccac acactggcta aaaagtcca 240
gttcagagtt tcaattcaatt ttcatgttaa gggatgaaact gaggttttact caacttgtgt 300
cttttttaaga gaatgggcca cctcccacac atccttttctc ttggactttt tttaacactt 360
ctaatgttct gtatcacgaa atcagatggc caaaacaaaa ttcacaggtt ctttaaaaaa 420
gcaagtcccc aagtgattgt taccataacc aaaaatgagaa ttgtgcgtat aatctgttct 480
tcttgagmtg gccakgccaa tcttgggact aggatataat tgcaattaaa tctkcgagtg 540
tacaaaaatt ttgtcagctt gyctagaaaa agaaagagaa ctctttcatg gttagagcagt 600
tactgtgctc acgtgtgctt ttctaaaaac caacctactt tcaaaccaag aatgaggaaa 660
tttgcagtaa attttaaata tgagtcacgg aaatattaaag ataatagcat gbtgtgggcaa 720

```

```

taataagtat gccagaaat aaagagtaat atacaaaaca atcaaacatt attacatttg 780
gctacgaggt tcctaataaa cagggcacaaa taaatagtga aatataataa aatcggtatc 840
atctgataaa aggcctgcatg gtacttttcc caaacgtaat ggcagctact aacacatttt 900
cttattaaat atttcaaat gttcttcac gtgaaaactg tcttattaat tgtaaaaagg 960
atgtaacttg nataggcatg ctcaacaggg gtaagagtaa ttngtngnng gccccctnng 1020
t 1021

```

```

<210> 93
<211> 1260
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (32)..(32)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (314)..(314)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (356)..(356)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (590)..(590)
<223> n equals a,t,g, or c

```

```

<400> 93
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tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
tttaaaatta catatgtacg tcacactata aaacacagat tagaaaatatt gtagagcaact 180
gacctagaaa cctccattta ggtaaaaaca cttaaccctt ttgggaagcaa aatatgttaa 240
ataacagcat aaactccocac caagaaaaatc ctccactctcc tctcttcaac acatttatta 300
tatacagctg tcaantgatt gtcaatctgc caaatggctc tatgttccaa cagggnitgga 360
gtagtcctct gctcacacca gccctcacaa tacttcccat gtcttccctg ttaacctctc 420
tccaccagcg acccaggctg ccaactctcc tggctgcctc cagccctcag ctggcaccac 480
tgacatcgtg ttccagctac ccttttcttc ttctgtcatc ctccctgggg gacatacatc 540
cctcatctcg tgacttcagc tgtcacataa attcaaatgt tcagaaactt tattttttac 600
ctctcatatc tgcagtttta aatgtcagga tattttactt tcagtaagac cctaaaaaga 660
caaatctatg tactttttaa gaataaaaaga aatgactggc tgcagctcaa acctacaact 720
gcttgcgaaa cctcacaaat tctggcagat gctagaaaaga aggggatcaa gacagagcac 780
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ctctctttat ttctacatc tactctctga agagggcaat aaataaggaa atgtcccaaa 900
gaggagacaaa ttaagtcaca aaataacaca aaattgggca aatcccagtc atgaagaaag 960
aacagaggtt cttaaaattgg gacacacaga ggcaggtctg caggtctagg aatctctgaa 1020
catatgtgca aaattctggg tatgtgtgca tatgttatat aacaaaagca aggtcccata 1080
tagctttcat cgcatttcaa agggctctagc actgaaaata ggcactactg tatgtgactt 1140
aaaaaaatgaa actcaggctg gcgcagctgc tactgcctgt aatcccagca ctttgggagg 1200
ccgaggaagc cagatcacct gagacgagga gtttgagacc cgcttgcccg gacgcgtggg 1260

```

```

<210> 94
<211> 990
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (4)..(4)
<223> n equals a,t,g, or c

```

```

<220>

```



```
<221> misc_feature
<222> (916)..(916)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc_feature
<222> (958)..(958)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc_feature
<222> (971)..(971)
<223> n equals a,t,g, or c
```

```
<400> 94
gcangagagc taccaagtgg ccgagctggc ttatracctt agggcagctt gcccccaaaa 60
cccatctact tggttgtccc cagaatgggt tggtctggga gaacttgccct tgcctcactcc 120
catttagact ttatttagtg agccctcctc ttgacttttg cctatttcct tgtctttcag 180
gtgtgcctct tgatttaata atggctctac aaactggacc agcatgtggt taaagagctg 240
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atctcttttc tgcctgaagta gaatggtccc taataataac aaccttaata ataaactcag 420
ctgacattaa ctgagggagc ccagtgtgcc aacatgaagc actgtgcctg cactagcaat 480
tgaacgtgca ccttttagct aggacgtgct ggtttcaatt ctattcttgc tccaagcctc 540
acagcagctg agatattgaat ggaactctct ccagggggaga aaatctgccc aattctgcctc 600
ttgtctctcc ctaaaatttgt atgagttaaa tgatggggcag aaaattgggtc tgttttcagc 660
ccagacaaac ctgcctctct ttcagtagtc gctacctcaa gcatccaaag ttttcacatc 720
tgccagaact caaagcaaaa aatgcaagat tgaatctcag cagctcaggc cccagcagg 780
acctcaaatc tccaccacca aaaaaaaa aaaaaaaatg gctgaattga aaggtatatg 840
cctttactca ctgaattatc actgctctg ccaagtgcga gatgcarag tttctaaaat 900
tccccaaaag gggggncctg gtaccaaatc cccccctatt agtgaagtc tatttacnaa 960
ttcccttggg nccgtccgtt tttacaacac 990
```

```
<210> 95
<211> 1710
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1702)..(1702)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc_feature
<222> (1704)..(1704)
<223> n equals a,t,g, or c
```

```
<220>
<221> misc_feature
<222> (1709)..(1710)
<223> n equals a,t,g, or c
```

```
<400> 95
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aagcaattac tttagcgttg gggagcattg ttctaccaga cccatttatg caggggagat 120
gaagcttaaa agacgggatg tggggtgga gtgtgtttct taagccgaag ctgttcagg 180
ctgggggatt tttagcattt cttttgttt tgtttttgac tgcagattct gtacatctgt 240
ctgtgggagg agagtttgcta ctcaggacag gatttaagag acacattcca gtgaccttta 300
agaatctgca tggcgggagg tcttcttcca ggagtgtggg ttggtccact ctggggacca 360
ccacactaag aagggggaga tgataaaaata aagaaatggcc tccagcctgc 420
aggttttgtt ggaagaataa aaaaaaggag tcattaagac cataaattca gattgagccc 480
tcttgaaaag gttgtgtggg gctagcaacc tgctgtcga aacagtcctt tggtcacag 540
cagtggtggga aggcagccaa ggctcctgca gattcctggc atcgaccttg gaaagcctct 600
gcgatacttg tgtgtacgaa tacagcagag gacaggggag tcttgttctc ggtgtctctg 660
tttagtgact gaaacttaaa cccaaaggca agccagatt gctctggcgt tcatccccc 720
```

gctttgatag	gggttaggag	gaaccctttc	cgtatgaaag	acaggcccta	ytagggytta	780
caaccaagcc	aaaggacat	ctcttctttc	tccacctcc	ctccacctcc	gccccgagc	840
agagccgaga	tgtgagacat	tcattgtcac	ggagcaagga	gacaaaagga	agttcaagtt	900
gagaaagata	tggcagcaaa	cagaaatgaa	aacctatgt	ccagcagag	ggaaaagcag	960
tcattttccag	attataaaaa	tcaatgaagt	actctccacc	taggtcagct	gaaattcgag	1020
ccctccagct	caggcctgtc	agagaagtta	agcagaaaaca	tctcggyggg	acttctaaaa	1080
tttagtgaag	acaaggcctt	gcaactccaa	agaaactttt	tttccccccc	ttgaaacagg	1140
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cacaccacca	gtcccgagct	accacagaaa	ctttcatctc	tttcattttt	ctttgggcac	1320
cattaatacc	taagacaggt	agaaaaggct	ccagaaagac	accatttggt	atggccgatt	1380
gccggctgca	gtcatcgccc	ccagatcagg	ctggtaacag	atgaccttaag	gtgatgagag	1440
gtgaggggtg	atgaagaata	atgagcacag	ggaagagaga	agcaggacaa	agtagcagat	1500
aaaatgccgg	caaagcacag	atgaatgtct	tcaagaagct	cttgattttc	tctgcacagt	1560
gtaaatatcc	ttgctatttc	aggatggcgg	ctggcctgct	cagtaacata	catgttccaa	1620
ataaagattt	tgcataaag	taaaaaaaa	aaaaaagggc	ggccgctcta	gaggatccaa	1680
gcttacgtac	gcgtgcagtc	gncngtcann				1710

<210> 96

<211> 781

<212> DNA

<213> Homo sapiens

<400> 96

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<210> 97

<211> 1113

<212> DNA

<213> Homo sapiens

<400> 97

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<210> 98

<211> 1723
 <212> DNA
 <213> Homo sapiens

<400> 98

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<210> 99
 <211> 2087
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> (56)..(56)

<223> n equals a,t,g, or c

<400> 99

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<210> 100
<211> 751
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (663)..(663)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (702)..(702)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (705)..(705)
<223> n equals a,t,g, or c

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<400> 100
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<210> 101
<211> 1223
<212> DNA
<213> Homo sapiens

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<400> 101
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tcaggacccg cagcttccag tctgttggag tttgctggag gtccactcca gacctcttt 180
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aggcactctg tctgttctca gatgtccag tctgtgctgg tagaaccagt gctctytcca 420
aggctkctag acagggacgt ttaagtctgc agaggaattc gctgcctttt gttcgctgat 480
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<210> 102
<211> 1010
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (607)..(607)
<223> n equals a,t,g, or c

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tagctgtacc attttgcata ccaccagaca ctgaatgaga gttcctgttg cttccaatc 240
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<210> 103
<211> 1986
<212> DNA
<213> Homo sapiens

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<400> 103
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<210> 104

<211> 1321

<212> DNA

<213> Homo sapiens

<400> 104

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<210> 105

<211> 944

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (889)..(889)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (896)..(896)

<223> n equals a,t,g, or c

<400> 105

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agttgtgcatt	gtgtctcagtc	atttatttca	gtgacctcaaa	cagagccctag	tcacagctgtt	180

tgatttttcc	ctgcagtggt	aagtggacta	gggccatgtg	actaagaaag	ccagcctggg	240
ggctgtcttt	tcacctacag	atgtttttaa	gtgccttaaca	tatatcaata	ctagcaacccg	300
agatagttcta	aataccacag	caggatctga	ttagcttttt	cagatcaact	cctttattttg	360
ctgttttgcaa	aaaagcttaa	tcagtgctga	gagatcaggc	tctcgtctga	cctctggggg	420
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ccaaaggaaa	aaagaagact	gtctattcat	accaagtagt	ttccttgata	tacacaaaaa	600
aaaaggtttc	taatatgaat	tcataaatat	tgacctcagt	gtctcttcta	ctcagtgcaac	660
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<210> 106

<211> 1172

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (904)..(904)

<223> n equals a,t,g, or c

<400> 106

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acaccgtctc	gaagcacrct	atctggctga	aggtcatcac	agyttaacatc	ctccagctgc	360
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gtgcaccacg	ccatggggagc	ctgcgcctcc	aactgctgca	taagctctcc	ttcctgggtg	600
acgctctagc	taagcagggtc	atgaactccc	tagtgcatac	catgccaaag	tggcccaact	660
gatcgtctgc	gaagtgcttc	cctccagtgca	agccctccgc	cctttgttca	ccctggggcat	720
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rtatgggtgt	gagctctata	gaccatccct	ctctgcaatc	aataaaact	tgctgtgtaa	1140
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aa			1172

<210> 107

<211> 427

<212> DNA

<213> Homo sapiens

<400> 107

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actctctctc	gctgctgcgc	attcaggccg	tcaggcgctc	ctattttgtc	tggaactgtc	180
gacgctatag	gagggcgctc	caggggccac	ccctccacag	ccgtttcagc	agggacaggg	240
gctgaacagg	cccatttcca	gcccctttgc	tctactctac	cggacagcgc	cagcagctcc	300
cagctctggt	ttcctctctc	gtttattctg	ttagaatgaa	atggttccca	taataaaggg	360
gcattgagcc	ttctctcaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	420
aaaaaaa						427

<210> 108

<211> 1708

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (85)..(85)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (254)..(254)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (256)..(256)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (423)..(424)
 <223> n equals a,t,g, or c

<400> 108	ctctgctcgaa	ttcggcagag	ctctgggcga	atatggcagc	gccagcaac	aagacagagc	60
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	gctgggtcca	ggccacccta	ctggcccgag	gcctctgtag	ggcctgggga	ggcacctgcg	180
	gggcccctct	cacaggaacc	tccatctctc	aggctccctc	cgggctccct	cggggcctcc	240
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	gcagaggccc	acaaggctct	tggtgccctt	tgaggacctg	tttgggcagg	cgctcgtggt	360
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	gagcgggacc	tggtctgtta	caaccagctg	ctcaacatct	tccccaagga	ggtcttccgg	540
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	gggtcctact	accaggcgac	gatggctaa	tggtaccagg	gcctgcagga	gaccaaccca	1260
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	tcgggctgcg	agcgatgggc	agggcagacc	ccctccagaat	ctgcaggcgc	ctctggtttc	1620
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	aaaaaaaaaa	aaaaaaaaag	gcggccgc				1708

<210> 109
 <211> 1487
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (78)..(78)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (948)..(948)
 <223> n equals a,t,g, or c


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<400> 109
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gcatacagca ccagctgggg ggccaggagc tgcccgtgtt ccggaacctg tccctgctgg 180
tggtgggtgt cggcgccgtg ttctcactgc tattccacct ggccaccggc gagagcgccc 240
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atcttctgatt ttaccacaat aaacaaaaaa aaacaaaaaa aaaaaaaa 1440
aaaaaaaagg aattcgatat caagcttatc gataccgtcg acctcga 1487

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<210> 110
<211> 1525
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (78)..(78)
<223> n equals a,t,g, or c

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<400> 110
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gcatacagca ccagctgggg ggccaggagc tgcccgtgtt ccggaacctg tccctgctgg 180
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gcctgggccc caccgtggtg ggacgagggt ctgcccgcca ggtctgtggt acctctgctg 1440
cagcaataaa agagatgacg gcaaaaaaaa aaaaaaaa aaaaaaaa 1500
aaaaaaaaaa aaacccaccg tccgc 1525

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```

<210> 111

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<211> 552
 <212> DNA
 <213> Homo sapiens

<400> 111
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 ttctgttttat ttggttagct ggtttgttct ttcttcttat caattgttcc atctcgattc 180
 aaattatttcc ccatcacaaa gaagaacccc tgacagagag aatcaaatat gactagtgtg 240
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 gaacttaaaa gcaatgtttg ccttatatat aaaaaggaca caataatga ggtccacctt 420
 ctaggaaatc ctaggactcg tttatttggg acatggtggg aataaaggtc acatattgga 480
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
 aaaaaaaaaa aa 552

<210> 112
 <211> 925
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (444)..(444)
 <223> n equals a,t,g, or c

<400> 112
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 gcttcgcggc ggggacccac gccaccacga gaacaacggt cggctggatc cgagccgagc 240
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 gggctggaca acttaacatg cgtggagttt ttctgcatgt ccttggagat gccttgggtt 780
 cagtgattgtt agtagtaaat gccttagtct ttacttttct ttggaaaggt tgttctgaag 840
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 tagtactcat gcatcagttt atgag 925

<210> 113
 <211> 1774
 <212> DNA
 <213> Homo sapiens

<400> 113
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 cagggtcctg cgtatgctac aatgagccca agtgagcagc aagctgcccc cagcagggcc 180
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tgctcggtct	tgctgagccc	ccggttagtg	cattgcccgc	cgagggtccc	gagccaccag	1260
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caggccaggc	caggctctcc	ctgatggagc	ctgtccgccc	gccaccacca	tctccacccc	1620
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cggttatata	gagatatgca	ttttatttta	cttgtgtaaa	aatatcgagc	gacgtggaat	1740
aaagagctct	tttcttaaaa	aaaaaaaaaa	aaaa			1774

<210> 114
 <211> 1777
 <212> DNA
 <213> Homo sapiens

<400> 114	ggcacagagt	ccccgacg	ccccgccc	ccctacgat	gaagaggggc	tcgcgtggag	60
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	cagggtgctg	cgatgctac	aatgagccca	aggtgacgac	aagctgcccc	cagcaggggc	180
	tcagggtgtg	gcccgtggc	atccctgctg	ccagccagcg	catcttccctg	cagcggaacc	240
	gcattctgca	tgtgccagct	gccagcttcc	gtgcctgcgc	caacctcacc	atcctgtggc	300
	tgcactcgaa	tgtgctggc	cgaattgatg	cggtgtcctt	catcggtcct	gcccctctgg	360
	agcagctgga	ctccagcgat	aatgcacagc	tcgggtctgt	ggacctgcc	acattccacg	420
	gcctggggcc	ctcacacacg	gtgcacctgg	accgtctcgg	ctgcaggagg	ctggggccgg	480
	ggctgttcgc	gcccgtggct	gcccctgcat	acctctacct	gcacagcaac	gcgctgcagg	540
	cactgcctga	tgacaccttc	cgcgacctgg	gcaacctcac	acacctcttc	ctgcacggca	600
	acogcatctc	gagcgtggcc	gagcgcgctt	tcogtgggct	gcacagctctc	ccagctctcc	660
	tactgcacca	gaacccgctg	gcccattgtc	accgcgatgc	cttcogtgag	cttggcgccc	720
	tcatgacact	tattctgttt	gccacaacac	tatcagcgct	gcccactgag	gcccctggcc	780
	ccctgcgtgc	ccctgcaatac	ctgaggctca	acgacaaacc	ctgggtgtgt	gactgcggcg	840
	ccagcccaat	ctggggcctgg	ctgcagaagt	tcggcggtct	clctcccgag	gtggcctgca	900
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	gctggcgtgg	ggccctggc	ccttaccatc	ccatctggag	cggcaggggc	accgatgagg	1020
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	agggccggcg	ggaaaacggtt	tttggcccaa	gggaacatta	atgacttacc	cttttgggac	1140
	tctgcctggg	tttgggtgagc	ccccggttac	ttgcagtgcg	gcccaggagg	tcgcagccac	1200
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	gtgtgtgtac	atacgggggtc	tctctccacg	ccgccaaagg	acggcgccgc	cgacacggct	1500
	gggacagcca	ggccagggtcc	tcctctgatg	acgcctgcgc	ccgccccccc	ccatctccac	1560
	cccatcatgt	ttacagggttt	cgggcgagc	gtttgttcca	gaacgcgcgc	tcccaaccag	1620
	atcgcggtat	atagagatat	gcattttatt	tactttgtgt	aaaaatatcg	gacgacgtgg	1680
	aataaagagc	tcttttctta	aaaaaaaaaa	aaaaaaa			1740
							1777

<210> 115
 <211> 1340
 <212> DNA
 <213> Homo sapiens

<400> 115	ggcacagaga	agaaaggcga	gagaaaaatc	aaggcaccaa	atttagattg	gaggtctcag	60
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	ccccctgtaa	agatgcagcc	tctttacaat	gaagacacat	ctctctgtgt	tcctctcttc	180
	ctgtatggcc	agatgcacag	gaatagtgc	caaaagacct	cagcctgctt	tccttttaag	240
	gggaaggaga	agaaaaaacct	cctttttatt	tttactttct	ttcagcatgt	aattttgttt	300
	gtgtgtatgg	tgacttctgt	ttttgggaaa	cgggagaagg	ccagcagcat	gctgaattgt	360
	ctgcacaggg	tcgcctgggg	tcttgcgcag	gttagcagtg	ctttttttcc	atttaaacca	420
	tctcccgggc	agtgtaaaaa	gtttgcaggt	cgggacattc	tgctgcactg	gtctcgccag	480

tgctctataa	cctctgtgtg	tttcttgata	aaacacagcc	ccacccttta	ataaagcaaa	540
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gactagacat	acggcaatta	ggaagtcag	gagttgggat	ttttgtctta	attttggctg	660
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aggggccacc	atttgaactc	aaggttgcca	gactctggcc	ccagcactct	ccctgttttc	900
agggatggcca	gcggtgacag	agggctatgg	aacctgggtt	cttcatctct	tcccatatcc	960
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cccagctact	cggtgagctg	agggcgggga	atcgattgga	cccaggaggg	ggaggttgca	1260
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aaaaaaaaaa	aaaaaaaaaa					1340

<210> 116
 <211> 813
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (338)..(338)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (384)..(384)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (389)..(389)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (799)..(799)
 <223> n equals a,t,g, or c

<400> 116						
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tgaggagctc	agagggacag	tggtttccct	ccttcgtaac	agttgaacaa	cttccagatg	120
tagctagctg	accacctgtg	aaagatgcag	gctctttaca	atgaagacac	atctctgat	180
gttccctctc	ctctgtatgg	ccagatgcac	aggaatagtg	cccaaaagac	ctcagcctgc	240
tttcccttta	agggggaaag	agaagaaaaa	actccttttt	atttttactt	tttttcagca	300
ttgaattttt	gttgtgtgta	tggtgacttc	tggttttngg	gaaacggga	aagccagcag	360
catgctgaat	tgctctgaca	ggntccgnt	ggctcttgcc	gaggttagca	gtgctttttt	420
tgwatttaaa	ccatctcccg	ggcagtgtaa	aaagtgtgca	gggtcggaca	ttctgtctga	480
ctggtctcgg	cagtgctcta	taacctgttt	gtgtttcttg	ataaaacaca	gccccacct	540
ttaataaaag	aaagattgct	atgaaccagc	agagtcattt	cattactgtg	gagtaactag	600
agcagctctg	agtgactaga	catacggcaa	ttaggaagtc	atggagttgg	gatttttgct	660
ttaatttttg	ctgtctcaag	tgccccctgt	aggaattctt	tttttcggga	attgtttcca	720
aactgcctg	cttttatcta	tggtgaaact	caagcgcctt	tttaaggcaa	gcctgcaaac	780
ccaagtatca	acatggggnc	ctgaagggac	agg			813

<210> 117
 <211> 1681
 <212> DNA
 <213> Homo sapiens

<400> 117						
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ttttagagta	cgttctgcac	caggcaaac	tttgcctacc	agcaagaaca		120
cagcccragg	aagggaacca	ataacctttc	aaacscaaa	ctgctkcctg	cgggtgagggc	180

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ccagggttctc ccaaggagag gacaggcatc ttcctttccc accaggaagg agtcagcccg 240
gagcctctgc tatgtctaa ggggtgtgca agcaccggct cgcctctctt gctgtctctt 300
ctttctcttt ggggcctggg tgggtgtgca tttctgtgct gatcctttgg cctgtgagcg 360
tgagctttgc atctcgacc gtccaattac agcaacgaag aagccactgc dragygttgt 420
ctcaggggar gcccgaggcg agtgctcggc acccggaagc gtgctcagcg ctcggtgggg 480
ccaggcaggc agggcgaggc cttagcctgaa ggcgccggg tctgtctgca cgcctctctg 540
caccacgtct tcaattctct cctggcagag ggagcagctg gaactagaca gccctgtcac 600
ggaagggaaa gtgagcgctt ggcacaggcg tcgctgtgtg aacctctgca ggcctgtcac 660
acgcacgggg ctagggtgtc ctgccccggg mtccctcagc tgtctgctcg gcatacccca 720
gccactcag gaggatccca gcaggayrta ttggactcca ygrtagcgyg gatyragagg 780
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cagcgtggcc atgatgccca gccgcttggc atccaggcca aaggcaaga tcttcccttg 900
gttcttcaga agacagacca agtgactggt cttattgcct gggcgccgac aggcctctgt 960
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caccagcagc tccggcatca aggggtccag gagaaaatgc ttcctcttga gggctcgtaa 1140
gtcatcgagg ctggaagccc gacctgtata ggagaaacct tgtctcttga aataatcaac 1200
tacatcatcg gtagagtggt tgagagtgtt cacacgcaca aatcgaggca gctgggagcg 1260
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tcggccccc a cccctcgaa agccctttcc caacaacaac tcatacata gcaccttggc 1440
caggtctggc cgagccttct tctccgcagc gagggagccg cgcctgtgca tcacagcatc 1500
cagacggggc gagtgcgct gcgtttcgca caccagcgcg tacagctgtc tcacgtttctg 1560
gaagttgtcg gagtacaca accccttgat agagcctggc ggcctgtccac 1620
acgctcgag ctgcagcata cagccccatg ttcctgtcgg ctttacggct ttgtggcaaa 1680
a

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<210> 118
 <211> 2052
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2045)..(2045)
 <223> n equals a,t,g, or c

```

<400> 118
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ataagcattct ggaatcagcg gttgaagaga ttatggagaa gctctggcag gaaggaatgc 120
ctgactcttgc ccactgtctg cgcactctgt ctgcagaaaa tatcccaaat tgcctccttg 180
ggggaggctct tgcctggcaas cgtaagtgtt ttgaagctgt ttatagtaga ctgaatccac 240
atagagaaact tgaatggggg gctggagatc tagaagacc atggtagctt taacaaacct 300
ctaaaatgctt ttttattctt aaaattgggg gaaaaaactt ttaatcacaa tttcttcaa 360
tacaaaagctt aaaaattctt gcggtatccc aacgttttgt gatgtgaga gaacaaactt 420
agcattttccc atcattttgt catattttgt ttttctgaca gttgccactt gtacgatgac 480
ctgtactaca gtattttttt ccaacctcag gcatactcgt tacactctgt ttgcaacttc 540
ggccctagaa accagtgagg ttattttacc acaaatcaac aatgtgcttg aggtgcattg 600
gaaataatagt tagctatact ctgaaaatac attatgtttt ttttctttaa acaaaacaca 660
caacatgttaa gcatgtgagc gtaaaagtgt gtatgatagt ttcctttttt cagtttacca 720
agttggaagc cttttgaaag tctgtggctt ggaatttcac ttgagcaatt tctataggat 780
atgtatttat tattgatgtt tatttaawtt ttttcccaat ttaacctgta ttacaaactt 840
gggtctctcca ataatttcca aattgtaagt tgccttgtct tcaagataaa gttcatttgg 900
gaataatatt ataaaccttt acaaaattta tgcattgata tactgcatcc tctaactctc 960
actagaaaaa cttttgaaac caaalggtat aattttatggc tatattataa ttgctttgac 1020
atctcactgt ttgaaaatttt ttaaagatga gatttgccct tataatgtaa atgtgtattt 1080
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tgaatttttg tattttttat catttatgtt atttttaaag ctcagaaatc cagagtgtaa 1200
ttactataaa tacattttaa attactatt ttagatctaa ggaataacta cagagattat 1260
tatacggggt cagtaacctt tcattttata acattgggca cggtagacag tgattgtcac 1320
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gagttttgca tgtattaatg tcaattaatg ctgaacatga agtagtaagt atttactgta 1440
aagaagatttc tgggttagga gaagttaatg atgtatccat ttgtacatgt ttacattgtt 1500
gtggatgcct ttgtaaaact tctcgtatgt tttaaatgtt gtttcagcag gatgtaatgt 1560
cccttgtgtg tagttaaact gagtcaatcat atgtccttt ttgaaatgga atgtatggt 1620
ttttctgtaa cgttttctgt aagctgtttc tggagagcca cacattttaa tacagacagc 1680

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tttcctgac atttgattta ttgtgcacct gatttttgggt taaaaaggaa ttattgccac 1740
aatatatttt atttattcct tagatttttag ccttgtaagt taaagtctt tacatgatga 1800
tgtagaaaagg ttgtttgtccc ttactgtgggt ttggggggggt gttaaaaagat aggggaatgaa 1860
gaatgcacaaa ttgttttatgt ttcaaacctgt ccaactctgat ccaacccctgt actgatagta 1920
cttcccagta tgatattgtg atgtttcata caatgcagtg aacataacca acttgttacc 1980
taaaataaaga attgataaaa acagtgtgac atattaaaaa aaagggggg gcggtaccaca 2040
attncacct ta 2052

```

```

<210> 119
<211> 539
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (528)..(529)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (531)..(532)
<223> n equals a,t,g, or c

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```

<220>
<221> misc_feature
<222> (537)..(537)
<223> n equals a,t,g, or c

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```

<400> 119
gagatacatt ccatgaatac ctagtttatt gagagttttt agcatgaagg actgtcgaat 60
tttgtcaaat gctttttctg catctattga gataatcatg ttggtttttgt ctttgggttct 120
gtttatgtga tggactatgt ttattgattt gcatatgttg aaccagcctt gcattccagg 180
gaatgaagcca actcgatcgt ttgtgataag ctttttgatg tgcgtcgtgga ttgtgtttgc 240
caatatttta ttgaggattt ttgcatcagt gttcttcagg gatattggtc taaaattctc 300
ttttttttgt ttgtgtctctg ccaggctcttg gtatccaggat gatgctggcc tcataaatga 360
gttagggagg attccctctt tctattgata agaattagttt cagaaggaaat gcataccagct 420
ctctcttgta cctctggtag aatttgggtg kgaattctatc ttgkccctgga atatttttgg 480
ggttggaact caaaaaaaaa aaaaaaaaa tcaaaaaaaaa aaaaaaanaa 539

```

```

<210> 120
<211> 882
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (117)..(117)
<223> n equals a,t,g, or c

```

```

<400> 120
gaattcggca cgagcagacc tgggctcgag accataactg ttggcttcta acagtagctg 60
ggcgcccgga atccgggagt cgggtgaccc gggctgtggt ctagcataaa ggcggancca 120
gaagaagggg cggggtatgg gagaagcctc cccactctgc cccgcaaggc ggcattctgt 180
tggtctctgt ctgctctctc ctacctctgt gatccctctc gctgcagctc ctatccatga 240
tgctgcagcc caagagagct cactgtgtct caccggcctc acagcctac tccaggctct 300
cagccgactt ttctgaaag taacctgctt cggggcatag acagcttatt ctctgcccc 360
attgacttcc ggggcctccc tgggaactac acaaaaggag agaaccagga gcaccagctg 420
gggaacaaca cctctctcag ccacytcagg atcgacaaga tgaccgacaa caagacagga 480
gaggtgctga ttcctcgagaa ttggtgggca tccattcaac cagcggaggg gagcttcgag 540
ggtgatttga aggtaccagg gatggaggag aaggaggccc ttgtaccatc ccagaaggcc 600
acggacagct tccacacaga actccatccc cgggtggcct tctggatcat taagctgcca 660
cgccggaggt cccacacaga tgcctggagg ggcggccact ggctcagcga gaagcgacac 720
cgccctcagg cctctcgagga tggactccgc aagggggacc acaaggagct cctagaagag 780
gggacgcaga ctctctccca ctccaggctg tcccccgaa agaccactt actgtacatc 840
ctcaggccct ctccgagct gttaggggtg ggaccgggga gc 882

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<210> 121
 <211> 1193
 <212> DNA
 <213> Homo sapiens

<400> 121
 acacatata agttacgcct gcaggttacc ggtccggtaa ttcccggtgc gtaccacgac 60
 gtccggtaat gtcacaaagaa aagtaattct gtcaatgctg ttgtgtctcaa ctgtgtacat 120
 ttgtttttgg gaatttatca acagcacaga aggcctctttc ttgtggatatt atcactcaaa 180
 aagccacaga gttagtgaca gcagtgctca gaagggtcgg tggtttctga gctggtttaa 240
 caatgggcat cacaaattatc acaaggggga agaagacata gacaaagaaa aagggaagaga 300
 aacttgaaag aatccgaata actaaactgg actctggttt tctgactcag tccttctaga 420
 agacctggac tgagagatca tgcggttaag gagtgtgtaa tatgggactg gtttaatcca 360
 actgsgagat tctcaagggg aaggactggg tctcatttct ccatctcag cgcttagcag 540
 gatgacctgg tatagacgag ggaactggga aatgtgggtc aggggatcag acactccagt 600
 tgggtctttt atataaatta aatggcaaaa ggctccatc ccttctctt ctttcttacc 660
 ctccacttta tctgcacaaat ggggaatgat ataacaccca ctctcataga lggatcatga 720
 gatcaaatga gagaataaaa gtcaagcact tagcctctgg tgacacataa gtattaaata 780
 agtatacctt ttctctcttt tcttttttta aaaataatat taccaaatgt ccagcttata 840
 cacatttaca agacttagct agtgggctat gtttagagcta ctaaaagatc ttgacaagc 900
 taaaactaag atgcaatga tgaggtgtaa cgaacaagag agttttaaagt tcagaaatgg 960
 ttacagaagt ataagacagc tgtgtgggtg ttttttgggt ttgtgttctt ggtttacaat 1020
 ctgtctatc aacaaagatg ggagttttat agaactaaaa gcmccataaa agctactaaa 1080
 aacaaacaaa aaaaaggctc atcattttct agtctgaatt gacaaaaaat ccaatgcaaa 1140
 taaaatgat tactttttat tttaaaaaaa aaaaaaaact aaaaaaaact gta 1193

<210> 122
 <211> 1338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (519)..(519)
 <223> n equals a,t,g, or c

<400> 122
 ggacagaggg tgagggccag gttagcgtttg caatccagcc ccacgcgtac ctcttttctt 60
 ggacttctag ttttctctac cctatttgcc ttcatctctt tacctcgat cctgtggagg 120
 gaatgagctg gacctttgtg gcacaatttg tgaggggctc ttatctcca tggcattcaa 180
 actctctatt ctgctcatag ggacctgggc actttttttc cgcaagcgga gactgacat 240
 gccacgggtg ttgtgttttc gtgccccttt gtgtgtctct acttttctgt ttgtgtgttt 300
 cctatttgcc ttttttacgg ggtccgcat ttggactctc gggaaccgga attacaagg 360
 gatgtgcaa tatgcagctt cccctgtgtg aatgccctcc tcttccatc ctactactgg 420
 catccgtccc tgcgtgagct caggggagct gcagcccaat gttccacgt gcaggtttgt 480
 cccgtcccca accgaatggg gaaatcccc ctccagcgt gggaacact agtatccagc 540
 gagcagcat ggtggtctca gaaaattact acaaagattt caccatctat aacccaaacc 600
 tcttaacagc ctccaaatc cgagcagcca agcatatggc cgggctgaaa gtctacaagt 660
 tagatggccc cagtacaact gccactggcc agtcccgggc catgattgct gcagctgctc 720
 ggcgacagga ctcaagccac aacgagttgt attatgaaga ggccgaacat gaacggcgag 780
 taagagacgc gaaagcaagg ctggtggttg cagtgggaaga ggcctctcat cacatcagc 840
 gtctccagcg tgcagagcag cagaaaagccc caggggaggt gatggaccct agggaggccg 900
 cccagcccat ttccctctcc atggccaggg ctctccagaa gtacctgcgc ataccggcg 960
 agcagaacta ccacagcatc gagagcatcc tgcaagcacc tggcctcttg catcaccaac 1020
 ggcatgaccc ccaaggctct cctagaacgg tacctcagtg cgggcccacc cctgcaatat 1080
 gacaagracg gctggctctc tacacagtgg aggtctgtca gtgatgagc ttgactaat 1140
 gatttacggg atggaattgt gttctgtctt aagtgtgttc acttcagcct ctgactcaat 1200
 gtgaagaaaa ttccattctg catactctct gaagagttca tactatattt tggccttatt 1260
 tttgtctctt gcttcagatc tgagacatcc gtttaaaagt tctatatttg tggccttatt 1320
 aaaaaaaaaa aaaaaaaa

<210> 123
 <211> 1183
 <212> DNA
 <213> Homo sapiens

```

<400> 123
tgcaggaatt cggcacagagc ttgcttcaggc gtctctggggg agagaagggg cctcggttc 60
acaggaatggg gctgcagtg tcttgggccc ctctggccct ctgggttcta ggggtgctgg 120
ccctgtcctt ctegtctgtgg gcgtctgcea cagcctgccg cagcccgagg acgctgtagc 180
ccccaggaag agggcgcgga cgcagcgggc gaagctgcag ggcagtgcga cggcgcgga 240
agcgtcctta ccagtcggga ccacactctg ctccctcag caagtccgag accagactgc 300
acgaactgca ccggggcccg cgcagcagca gggccctgcg gctgcaggy atggatctcc 360
tgcccccaca ctggctggag gtgtccaggg acatcaccgg accgcaggca gcccccctctg 420
ccttcccaca ccaggagctg ccccgggctc tgccggcagc tgcagccacc cagggctgcg 480
tggtctcgag gccacctatt ccaacgtggg gctggcgccc ctccccgggg tcagcctggc 540
ggccagcctt gtgtggcgcg agtatgcccg gctccagaag cgcacaaagga cccatcgag 600
tccccaaagag ccacagcagg ggaagactga ggtgaccccc gccctcagc tggacgtctt 660
ccccaaagggc cagggaagca ttctggccct ggcgggtgac ctggcctacc agaccctccc 780
gctcagggcc ctggatgtgg acagcggccc ctgggaaaac gtgtatgaga gcatccggga 840
gtcgggggac cctgctggca ggagcagcac gtgcggggct gggcgcgcc ctgcttcagc 900
gctcagggcc ctggatgtgg gctggagacc cctccctgcc tcctcgccct gaacactcaa 960
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gacagcgcca gtccccagtc cccggggccc cagcccgtag ggtccgtgag gtcctggccg 1080
ctctgacagc cgcggcctcc cggggtccca gagaaggccc gcgtctaataa aaagcgccag 1140
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<210> 124
<211> 615
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)..(18)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (20)..(20)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (584)..(584)
<223> n equals a,t,g, or c

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<400> 124
ctgttatata aaattggnnc ctatgggtccc gtacaatgaa gaaatgcaaa gatagttaag 60
aaagactcgg ccttcaagga gccataatgt gtagaaaagg actaaggcaa aacaataact 120
ttttgagctt cttgccatgt gtgaagcact ttatacactt gtaaggtagg taacgttgtt 180
cttattaaac atgaagaaaa tgagactttg tgagaagcaa tacagtatat aagttaagaa 240
tatgactctt aaagctagat ttcagaggtt tgaagttagc ctgctactta ctggctgtgt 300
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<210> 125
<211> 587
<212> DNA
<213> Homo sapiens

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cggcccttct ctgcctctga gtaaccgtct tcaagttcca gaccagctc gactctaac 180
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ccccaccgt	ctccagagaa	tgcgccctc	ctgggttccct	gtccctcccc	tgcgtcctg	540
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<210> 126
 <211> 1379
 <212> DNA
 <213> Homo sapiens

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 <211> 583
 <212> DNA
 <213> Homo sapiens

<400> 127						
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<210> 128
 <211> 1268
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n equals a,t,g, or c

<220>
 <221> misc_feature

<222> (1240)..(1240)
 <223> n equals a,t,g, or c

<400> 128
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<210> 129
 <211> 1311
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1036)..(1036)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1112)..(1112)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1168)..(1168)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1223)..(1223)
 <223> n equals a,t,g, or c

<400> 129
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 catcagtgct ctgggaacca gctgggcaga ttgtgtacac ccatgtcaga taccccagtg 180
 gcaggctcct gtcactgtag cacttggctc ctccatccct cccagcctc ctactcctt 240
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 tcttaaggaa tctggggaga cggcctgtga gatatggcgt cagttacagc ctcttaagaa 360
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<210> 130

<211> 1249

<212> DNA

<213> Homo sapiens

<220>

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<223> n equals a,t,g, or c

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ccacataata	aaggaaacag	gtgaaattta	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1200
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<210> 131

<211> 1660

<212> DNA

<213> Homo sapiens

<400> 131						
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<210> 132

<211> 2075

<212> DNA

<213> Homo sapiens

<400> 132

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<210> 133

<211> 1333

<212> DNA

<213> Homo sapiens

<400> 133

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aaaaaaaaat cga 1333

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<210> 134

<211> 56

<212> PRT

<213> Homo sapiens

<400> 134

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Met Ala Lys Thr Asp Phe Ser Ile Ile Leu Leu Lys Leu His Cys Leu
  1             5             10             15

```

```

Phe Phe Phe Ser Val Ile Ser Val His Cys Ala Gln Ser Phe Ile Ser
      20             25             30

```

```

Val Thr Gln Thr Glu Pro Ser Pro Ala Val Cys Ile Phe Pro Ala Val
      35             40             45

```

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Gly Ser Gly Leu Gly Pro Cys Asp
  50             55

```

<210> 135

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 135

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Met Ala Xaa Leu Asp Asn Cys Leu Met Leu Leu Ile Thr Ser Gly Thr
  1             5             10             15

```

```

Trp Leu Gly Ser Val Ala Arg Lys Thr Trp Gln Ala Ile Cys Asp Ser
      20             25             30

```

```

Gly Ser Ser Gly Cys Ala Leu Ile Arg
      35             40

```

<210> 136

<211> 414

<212> PRT

<213> Homo sapiens

<400> 136

Met Asn Pro Thr Leu Gly Leu Ala Ile Phe Leu Ala Val Leu Leu Thr
 1 5 10 15
 Val Lys Gly Leu Lys Pro Ser Phe Ser Pro Arg Asn Tyr Lys Ala
 20 25 30
 Leu Ser Glu Val Gln Gly Trp Lys Gln Arg Met Ala Ala Lys Glu Leu
 35 40 45
 Ala Arg Gln Asn Met Asp Leu Gly Phe Lys Leu Leu Lys Lys Leu Ala
 50 55 60
 Phe Tyr Asn Pro Gly Arg Asn Ile Phe Leu Ser Pro Leu Ser Ile Ser
 65 70 75 80
 Thr Ala Phe Ser Met Leu Cys Leu Gly Ala Gln Asp Ser Thr Leu Asp
 85 90 95
 Glu Ile Lys Gln Gly Phe Asn Phe Arg Lys Met Pro Glu Lys Asp Leu
 100 105 110
 His Glu Gly Phe His Tyr Ile Ile His Glu Leu Thr Gln Lys Thr Gln
 115 120 125
 Asp Leu Lys Leu Ser Ile Gly Asn Thr Leu Phe Ile Asp Gln Arg Leu
 130 135 140
 Gln Pro Gln Arg Lys Phe Leu Glu Asp Ala Lys Asn Phe Tyr Ser Ala
 145 150 155 160
 Glu Thr Ile Leu Thr Asn Phe Gln Asn Leu Glu Met Ala Gln Lys Gln
 165 170 175
 Ile Asn Asp Phe Ile Ser Gln Lys Thr His Gly Lys Ile Asn Asn Leu
 180 185 190
 Ile Glu Asn Ile Asp Pro Gly Thr Val Met Leu Leu Ala Asn Tyr Ile
 195 200 205
 Phe Phe Arg Ala Arg Trp Lys His Glu Phe Asp Pro Asn Val Thr Lys
 210 215 220
 Glu Glu Asp Phe Phe Leu Glu Lys Asn Ser Ser Val Lys Val Pro Met
 225 230 235 240
 Met Phe Arg Ser Gly Ile Tyr Gln Val Gly Tyr Asp Asp Lys Leu Ser
 245 250 255
 Cys Thr Ile Leu Glu Ile Pro Tyr Gln Lys Asn Ile Thr Ala Ile Phe
 260 265 270
 Ile Leu Pro Asp Glu Gly Lys Leu Lys His Leu Glu Lys Gly Leu Gln
 275 280 285
 Val Asp Thr Phe Ser Arg Trp Lys Thr Leu Leu Ser Arg Arg Val Val
 290 295 300
 Asp Val Ser Val Pro Arg Leu His Met Thr Gly Thr Phe Asp Leu Lys
 305 310 315 320
 Lys Thr Leu Ser Tyr Ile Gly Val Ser Lys Ile Phe Glu Glu His Gly
 325 330 335
 Asp Leu Thr Lys Ile Ala Pro His Arg Ser Leu Lys Val Gly Glu Ala
 340 345 350

Val His Lys Ala Glu Leu Lys Met Asp Glu Arg Gly Thr Glu Gly Ala
 355 360 365
 Ala Gly Thr Gly Ala Gln Thr Leu Pro Met Glu Thr Pro Leu Val Val
 370 375 380
 Lys Ile Asp Lys Pro Tyr Leu Leu Leu Ile Tyr Ser Glu Lys Ile Pro
 385 390 395 400
 Ser Val Leu Phe Leu Gly Lys Ile Val Asn Pro Ile Gly Lys
 405 410

<210> 137
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 137
 Met Gly Gln Gln Ser Cys Trp Met Gly Leu Gly Cys Trp Leu Ser Leu
 1 5 10 15
 Ser Gly Leu Ser Gly Val Val Arg Ala Ser Pro Arg Ser Pro Arg Pro
 20 25 30
 Arg Arg Gly Ala Ala Cys Gly Glu Thr Leu Met Pro
 35 40

<210> 138
 <211> 197
 <212> PRT
 <213> Homo sapiens

<400> 138
 Met Ala Gly Pro Trp Thr Phe Thr Leu Leu Cys Gly Leu Leu Ala Ala
 1 5 10 15
 Thr Leu Ile Gln Ala Thr Leu Ser Pro Thr Ala Val Leu Ile Leu Gly
 20 25 30
 Pro Lys Val Ile Lys Glu Lys Leu Thr Gln Glu Leu Lys Asp His Asn
 35 40 45
 Ala Thr Ser Ile Leu Gln Gln Leu Pro Leu Leu Ser Ala Met Arg Glu
 50 55 60
 Lys Pro Ala Gly Gly Ile Pro Val Leu Gly Ser Leu Val Asn Thr Val
 65 70 75 80
 Leu Lys His Ile Ile Trp Leu Lys Val Ile Thr Ala Asn Ile Leu Gln
 85 90 95
 Leu Gln Val Lys Pro Ser Ala Asn Asp Gln Glu Leu Leu Val Lys Ile
 100 105 110
 Pro Leu Asp Met Val Ala Gly Phe Asn Thr Pro Leu Val Lys Thr Ile
 115 120 125
 Val Glu Phe His Met Thr Thr Glu Ala Gln Ala Thr Ile Arg Met Asp
 130 135 140
 Thr Ser Ala Ser Gly Pro Thr Arg Leu Val Leu Ser Asp Cys Ala Thr
 145 150 155 160

Ser His Gly Ser Leu Arg Ile Gln Leu Leu His Lys Leu Ser Phe Leu
 165 170 175
 Val Asn Ala Leu Ala Lys Gln Val Met Asn Leu Leu Val Pro Ser Met
 180 185 190
 Pro Arg Trp Pro Asn
 195

<210> 139
 <211> 45
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 139
 Met His Arg Gln Leu Leu Gly Phe Cys Phe Xaa Phe Cys Phe Phe Phe
 1 5 10 15
 Lys Arg His Cys Asp Cys Ile Leu Leu Tyr Leu Ile Gly Phe Val Phe
 20 25 30
 Leu Leu Thr Met Val Lys Ile His Leu Ser Glu His Ser
 35 40 45

<210> 140
 <211> 40
 <212> PRT
 <213> Homo sapiens
 <400> 140
 Met Leu Lys Arg Val Ile Leu Leu Val Glu Met Phe Ile His Phe Leu
 1 5 10 15
 Ile Tyr Ala Lys Ser Phe Tyr His Lys Ser Trp Glu Gln Leu Ser Phe
 20 25 30
 Thr His Tyr Leu Leu Gln Ile Ser
 35 40

<210> 141
 <211> 84
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <400> 141
 Met Pro Ile Leu Val Phe Ser Ile Cys Leu Gln Cys Thr Leu Phe Arg
 1 5 10 15
 Ser Glu Ala Ile Ile Phe Gln Glu Glu Arg Asn His Gln Val Thr Leu

20	25	30
Leu Lys Ala Val Lys Thr Lys Phe Gln Ser Gly Thr Gly Leu Arg Xaa		
35	40	45
Pro Val Leu Glu Tyr Ala Lys Ser Ile Gln Ile Ile Ser Lys Tyr Thr		
50	55	60
Cys Gly Thr Val Leu Pro Val Phe Lys Met Arg Arg Tyr Tyr Val Gly		
65	70	75
		80
Gln Lys Cys Gln		

<210> 142
 <211> 200
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (144)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (149)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (160)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (173)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (177)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (189)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 142
 Met Phe Phe Leu Leu Cys Leu Val Ala Leu Glu Ile Lys Gly Phe Thr
 1 5 10 15

Phe Ser Ala Arg Gly Ala Arg Asp Arg Phe Leu Asn Lys Ser Gly Pro
 20 25 30

Gln Pro Gly Lys Lys Met Lys Thr Thr His Cys Lys Gln Pro Leu Phe
 35 40 45

Ser Lys Pro Gly Gln Val Arg Gly Ala Leu Arg Lys Ala Arg Gly Arg
 50 55 60

Gln Glu Glu Arg Glu Ala Val Gly Met Trp Gly Gly Arg Gly His Ser
 65 70 75 80

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<210> 143
<211> 325
<212> PRT
<213> Homo sapiens
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Met	Gly	Ser	Gln	Val	Ser	Ser	Met	Leu	Lys	Leu	Ala	Leu	Gln	Asn	Cys
1				5					10					15	
Cys	Pro	Gln	Leu	Trp	Gln	Arg	His	Ser	Ala	Arg	Asp	Arg	Gln	Cys	Ala
			20					25					30		
Arg	Val	Leu	Ala	Asp	Glu	Arg	Ser	Pro	Gln	Pro	Gly	Ala	Ser	Pro	Gln
		35					40					45			
Glu	Asp	Ile	Ala	Asn	Phe	Gln	Val	Leu	Val	Lys	Ile	Leu	Pro	Val	Met
	50					55					60				
Val	Thr	Leu	Val	Pro	Tyr	Trp	Met	Val	Tyr	Phe	Gln	Met	Gln	Ser	Thr
	65				70					75					80
Tyr	Val	Leu	Gln	Gly	Leu	His	Leu	His	Ile	Pro	Asn	Ile	Phe	Pro	Ala
				85					90					95	
Asn	Pro	Ala	Asn	Ile	Ser	Val	Ala	Leu	Arg	Ala	Gln	Gly	Ser	Ser	Tyr
			100					105					110		
Thr	Ile	Pro	Glu	Ala	Trp	Leu	Leu	Ala	Asn	Val	Val	Val	Val	Val	Leu
		115				120					125				
Ile	Leu	Val	Pro	Leu	Lys	Asp	Arg	Leu	Ile	Asp	Pro	Leu	Leu	Leu	Arg
	130					135					140				
Cys	Lys	Leu	Leu	Pro	Ser	Ala	Leu	Gln	Lys	Met	Ala	Leu	Gly	Met	Phe
	145				150					155					160
Phe	Gly	Phe	Thr	Ser	Val	Ile	Val	Ala	Gly	Val	Leu	Glu	Met	Glu	Arg
				165					170					175	

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Leu His Tyr Ile His His Asn Glu Thr Val Ser Gln Gln Ile Gly Glu
180 185 190
Val Leu Tyr Asn Ala Ala Pro Leu Ser Ile Trp Trp Gln Ile Pro Gln
195 200 205
Tyr Leu Leu Ile Gly Ile Ser Glu Ile Phe Ala Ser Ile Pro Gly Leu
210 215 220
Glu Phe Ala Tyr Ser Glu Ala Pro Arg Ser Met Gln Gly Ala Ile Met
225 230 235 240
Gly Ile Phe Phe Cys Leu Ser Gly Val Gly Ser Leu Leu Gly Ser Ser
245 250 255
Leu Val Ala Leu Leu Ser Leu Pro Gly Gly Trp Leu His Cys Pro Lys
260 265 270
Asp Phe Gly Asn Ile Asn Asn Cys Arg Met Asp Leu Tyr Phe Phe Leu
275 280 285
Leu Ala Gly Ile Gln Ala Val Thr Ala Leu Leu Phe Val Trp Ile Ala
290 295 300
Gly Arg Tyr Glu Arg Ala Ser Gln Gly Pro Ala Ser His Ser Arg Phe
305 310 315 320
Ser Arg Asp Arg Gly
325

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<210> 144

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 144

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Met Val Phe Val His Leu Tyr Leu Gly Asn Val Leu Ala Leu Leu Leu
1 5 10 15
Phe Val His Tyr Ser Asn Gly Asp Glu Ser Ser Asp Pro Gly Pro Gln
20 25 30
His Arg Ala Gln Gly Pro Gly Pro Glu Pro Thr Leu Gly Pro Leu Thr
35 40 45
Arg Leu Glu Gly Ile Lys Val Gly His Glu Arg Lys Val Gln Leu Val
50 55 60
Thr Asp Arg Asp His Phe Ile Arg Thr Leu Ser Leu Lys Pro Leu Leu
65 70 75 80
Phe Glu Ile Pro Gly Phe Leu Thr Asp Glu Glu Cys Arg Leu Ile Ile
85 90 95
His Leu Ala Gln Met Lys Gly Leu Gln Arg Xaa Arg Ser Cys Leu Leu
100 105 110
Lys Ser Met Lys Arg Gln
115

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<210> 145
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 145
 Met Lys Leu Thr Ile Phe Phe Xaa Phe Pro Gln Thr Ile Thr Gly Leu
 1 5 10 15
 Leu Gln Xaa Leu Met Ser Arg Gln Val Glu Asp Val Ala Phe Leu Pro
 20 25 30
 Leu Pro His Pro Val Phe Ser Phe Ser Phe Phe Phe Pro Leu Val
 35 40 45

<210> 146
 <211> 519
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (205)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (207)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (213)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (225)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 146
 Met Gln Gly Gly Gln Arg Pro His Leu Leu Leu Leu Leu Ala Val
 1 5 10 15
 Cys Leu Gly Ala Gln Ser Arg Asn Gln Glu Glu Arg Leu Leu Ala Asp
 20 25 30
 Leu Met Arg Asn Tyr Asp Pro His Leu Arg Pro Ala Glu Arg Asp Ser
 35 40 45
 Asp Val Val Asn Val Ser Leu Lys Leu Thr Leu Thr Asn Leu Ile Ser

50					55					60					
Leu	Asn	Glu	Arg	Glu	Glu	Ala	Leu	Thr	Thr	Asn	Val	Trp	Ile	Glu	Met
65				70						75					80
Gln	Trp	Cys	Asp	Tyr	Arg	Leu	Arg	Trp	Asp	Pro	Lys	Asp	Tyr	Glu	Gly
				85					90					95	
Leu	Trp	Ile	Leu	Arg	Val	Pro	Ser	Thr	Met	Val	Trp	Arg	Pro	Asp	Ile
			100					105					110		
Val	Leu	Glu	Asn	Asn	Val	Asp	Gly	Val	Phe	Glu	Val	Ala	Leu	Tyr	Cys
		115					120					125			
Asn	Val	Leu	Val	Ser	Pro	Asp	Gly	Cys	Ile	Tyr	Trp	Leu	Pro	Pro	Ala
		130					135					140			
Ile	Phe	Arg	Ser	Ser	Cys	Ser	Ile	Ser	Val	Thr	Tyr	Phe	Pro	Phe	Asp
						150					155				160
Trp	Gln	Asn	Cys	Ser	Leu	Ile	Phe	Gln	Ser	Gln	Thr	Tyr	Ser	Thr	Ser
				165					170						175
Glu	Ile	Asn	Leu	Gln	Leu	Ser	Gln	Glu	Asp	Gly	Gln	Ala	Ile	Glu	Trp
			180					185					190		
Ile	Phe	Ile	Asp	Pro	Glu	Ala	Phe	Thr	Glu	Asn	Gly	Xaa	Trp	Xaa	Ile
			195				200					205			
Arg	His	Arg	Pro	Xaa	Lys	Met	Leu	Leu	Asp	Ser	Val	Ala	Pro	Ala	Glu
			210			215					220				
Xaa	Ala	Gly	His	Gln	Lys	Val	Val	Phe	Tyr	Leu	Leu	Ile	Gln	Arg	Lys
				225		230			235						240
Pro	Leu	Phe	Tyr	Val	Ile	Asn	Ile	Ile	Ala	Pro	Cys	Val	Leu	Ile	Ser
				245					250					255	
Ser	Val	Ala	Ile	Leu	Ile	Tyr	Phe	Leu	Pro	Ala	Lys	Ala	Gly	Gly	Gln
			260				265						270		
Lys	Cys	Thr	Val	Ala	Thr	Asn	Val	Leu	Leu	Ala	Gln	Thr	Val	Phe	Leu
			275				280					285			
Phe	Leu	Val	Ala	Lys	Lys	Val	Pro	Glu	Thr	Ser	Gln	Ala	Val	Pro	Leu
			290			295						300			
Ile	Ser	Lys	Tyr	Leu	Thr	Phe	Leu	Met	Val	Val	Thr	Ile	Leu	Ile	Val
				305		310			315						320
Val	Asn	Ser	Val	Val	Val	Leu	Asn	Val	Ser	Leu	Arg	Ser	Pro	His	Thr
				325					330					335	
His	Ser	Met	Ala	Arg	Gly	Val	Arg	Lys	Val	Phe	Leu	Arg	Leu	Leu	Pro
			340				345					350			
Gln	Leu	Leu	Arg	Met	His	Val	Arg	Pro	Leu	Ala	Pro	Ala	Ala	Val	Gln
			355				360					365			
Asp	Ala	Arg	Phe	Arg	Leu	Gln	Asn	Gly	Ser	Ser	Ser	Gly	Trp	Pro	Ile
			370			375			380						
Met	Ala	Arg	Glu	Glu	Gly	Asp	Leu	Cys	Leu	Pro	Arg	Ser	Glu	Leu	Leu
			385			390			395						400
Phe	Arg	Gln	Arg	Gln	Arg	Asn	Gly	Leu	Val	Gln	Ala	Val	Leu	Glu	Lys

405 410 415
 Leu Glu Asn Gly Pro Glu Val Arg Gln Ser Gln Glu Phe Cys Gly Ser
 420 425 430
 Leu Lys Gln Ala Ser Pro Ala Ile Gln Ala Cys Val Asp Ala Cys Asn
 435 440 445
 Leu Met Ala Arg Ala Arg Arg Gln Gln Ser His Phe Asp Ser Gly Asn
 450 455 460
 Glu Glu Trp Leu Leu Val Gly Arg Val Leu Asp Arg Val Cys Phe Leu
 465 470 475 480
 Ala Met Leu Ser Leu Phe Ile Cys Gly Thr Ala Gly Ile Phe Leu Met
 485 490 495
 Ala His Tyr Asn Gln Val Pro Asp Leu Pro Phe Pro Gly Asp Pro Arg
 500 505 510
 Pro Tyr Leu Pro Leu Pro Asp
 515

<210> 147
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 147
 Met Leu Leu Phe Ser Ser Arg Phe Ile Met Phe Leu Trp Pro Pro Val
 1 5 10 15
 Ser Gly Val Cys Leu Ser Phe Ile Arg Asp Arg Ser Phe Leu Pro Met
 20 25 30
 Cys His Phe Ile Tyr Val Leu Ile Leu Cys Asn Ser Ile Ala Leu
 35 40 45

<210> 148
 <211> 431
 <212> PRT
 <213> Homo sapiens

<400> 148
 Met Ser Trp Val Gln Ala Thr Leu Leu Ala Arg Gly Leu Cys Arg Ala
 1 5 10 15
 Trp Gly Gly Thr Cys Gly Ala Ala Leu Thr Gly Thr Ser Ile Ser Gln
 20 25 30
 Val Pro Arg Arg Leu Pro Arg Gly Leu His Cys Ser Ala Ala Ala His
 35 40 45
 Ser Ser Glu Gln Ser Leu Val Pro Ser Pro Pro Glu Pro Arg Gln Arg
 50 55 60
 Pro Thr Lys Ala Leu Val Pro Phe Glu Asp Leu Phe Gly Gln Ala Pro
 65 70 75 80
 Gly Gly Glu Arg Asp Lys Ala Ser Phe Leu Gln Thr Val Gln Lys Phe
 85 90 95

Ala Glu His Ser Val Arg Lys Arg Gly His Ile Asp Phe Ile Tyr Leu
 100 105 110
 Ala Leu Arg Lys Met Arg Glu Tyr Gly Val Glu Arg Asp Leu Ala Val
 115 120 125
 Tyr Asn Gln Leu Leu Asn Ile Phe Pro Lys Glu Val Phe Arg Pro Arg
 130 135 140
 Asn Ile Ile Gln Arg Ile Phe Val His Tyr Pro Arg Gln Gln Glu Cys
 145 150 155 160
 Gly Ile Ala Val Leu Glu Gln Met Glu Asn His Gly Val Met Pro Asn
 165 170 175
 Lys Glu Thr Glu Phe Leu Leu Ile Gln Ile Phe Gly Arg Lys Ser Tyr
 180 185 190
 Pro Met Leu Lys Leu Val Arg Leu Lys Leu Trp Phe Pro Arg Phe Met
 195 200 205
 Asn Val Asn Pro Phe Pro Val Pro Arg Asp Leu Pro Gln Asp Pro Val
 210 215 220
 Glu Leu Ala Met Phe Gly Leu Arg His Met Glu Pro Asp Leu Ser Ala
 225 230 235 240
 Arg Val Thr Ile Tyr Gln Val Pro Leu Pro Lys Asp Ser Thr Gly Ala
 245 250 255
 Ala Asp Pro Pro Gln Pro His Ile Val Gly Ile Gln Ser Pro Asp Gln
 260 265 270
 Gln Ala Ala Leu Ala Arg His Asn Pro Ala Arg Pro Val Phe Val Glu
 275 280 285
 Gly Pro Phe Ser Leu Trp Leu Arg Asn Lys Cys Val Tyr Tyr His Ile
 290 295 300
 Leu Arg Ala Asp Leu Leu Pro Pro Glu Glu Arg Glu Val Glu Glu Thr
 305 310 315 320
 Pro Glu Glu Trp Asn Leu Tyr Tyr Pro Met Gln Leu Asp Leu Glu Tyr
 325 330 335
 Val Arg Ser Gly Trp Asp Asn Tyr Glu Phe Asp Ile Asn Glu Val Glu
 340 345 350
 Glu Gly Pro Val Phe Ala Met Cys Met Ala Gly Ala His Asp Gln Ala
 355 360 365
 Thr Met Ala Lys Trp Ile Gln Gly Leu Gln Glu Thr Asn Pro Thr Leu
 370 375 380
 Ala Gln Ile Pro Val Val Phe Arg Leu Ala Gly Ser Thr Arg Glu Leu
 385 390 395 400
 Gln Thr Ser Ser Ala Gly Leu Glu Glu Pro Pro Leu Pro Glu Asp His
 405 410 415
 Gln Glu Glu Asp Asp Asn Leu Gln Arg Gln Gln Gln Gly Gln Ser
 420 425 430

<211> 442
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (364)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 149

Met	Trp	Phe	Thr	Tyr	Leu	Leu	Leu	Tyr	Leu	His	Ser	Val	Arg	Ala	Tyr
1				5					10					15	
Ser	Ser	Arg	Gly	Ala	Gly	Cys	Cys	Cys	Cys	Trp	Ala	Arg	Trp	Arg	Arg
			20					25					30		
Ala	Val	His	Thr	Ala	Arg	Gly	Leu	Arg	Gly	Arg	Pro	Arg	Arg	Gln	Leu
			35				40						45		
Leu	Arg	Pro	Leu	Arg	Pro	Ala	Gln	Gly	Leu	Ala	Pro	Gly	Arg	His	Arg
			50			55					60				
Leu	Arg	Pro	Ala	Val	Leu	Pro	Leu	His	Leu	Gln	Pro	Leu	Pro	Gly	Leu
					70					75					80
Trp	Gly	Gly	His	Ala	Glu	Trp	Ala	Ala	Leu	Leu	Tyr	Tyr	Gly	Pro	Phe
					85					90				95	
Ile	Val	Ile	Phe	Gln	Phe	Gly	Trp	Ala	Ser	Thr	Gln	Ile	Ser	His	Leu
				100				105						110	
Ser	Leu	Ile	Pro	Glu	Leu	Val	Thr	Asn	Asp	His	Glu	Lys	Val	Glu	Leu
			115				120					125			
Thr	Ala	Leu	Arg	Tyr	Ala	Phe	Thr	Val	Val	Ala	Asn	Ile	Thr	Val	Tyr
			130			135					140				
Gly	Ala	Ala	Trp	Leu	Leu	Leu	His	Leu	Gln	Gly	Ser	Ser	Arg	Val	Glu
				145		150				155				160	
Pro	Thr	Gln	Asp	Ile	Ser	Ile	Ser	Asp	Gln	Leu	Gly	Gly	Gln	Asp	Val
				165				170						175	
Pro	Val	Phe	Arg	Asn	Leu	Ser	Leu	Leu	Val	Val	Gly	Val	Gly	Ala	Val
			180					185						190	
Phe	Ser	Leu	Leu	Phe	His	Leu	Gly	Thr	Arg	Glu	Arg	Arg	Arg	Pro	His
			195				200					205			
Ala	Glu	Glu	Pro	Gly	Glu	His	Thr	Pro	Leu	Leu	Ala	Pro	Ala	Thr	Ala
			210				215				220				
Gln	Pro	Leu	Leu	Leu	Trp	Lys	His	Trp	Leu	Arg	Glu	Pro	Ala	Phe	Tyr
					230					235				240	
Gln	Val	Gly	Ile	Leu	Tyr	Met	Thr	Thr	Arg	Leu	Ile	Val	Asn	Leu	Ser
				245					250					255	
Gln	Thr	Tyr	Met	Ala	Met	Tyr	Leu	Thr	Tyr	Ser	Leu	His	Leu	Pro	Lys
			260					265					270		
Lys	Phe	Ile	Ala	Thr	Ile	Pro	Leu	Val	Met	Tyr	Leu	Ser	Gly	Phe	Leu
			275				280					285			
Ser	Ser	Phe	Leu	Met	Lys	Pro	Ile	Asn	Lys	Cys	Ile	Gly	Arg	Asn	Met
			290				295					300			

Thr Tyr Phe Ser Gly Leu Leu Val Ile Leu Ala Phe Ala Ala Trp Val
305 310 315 320

Ala Leu Ala Glu Gly Leu Gly Val Ala Val Tyr Ala Ala Ala Val Leu
325 330 335

Leu Gly Ala Gly Cys Ala Thr Ile Leu Val Thr Ser Leu Ala Met Thr
340 345 350

Ala Asp Leu Ile Gly Pro His Thr Asn Ser Gly Xaa Phe Val Tyr Gly
355 360 365

Ser Met Ser Phe Leu Asp Lys Val Ala Asn Gly Leu Ala Val Met Ala
370 375 380

Ile Gln Ser Leu His Pro Cys Pro Ser Glu Leu Cys Cys Arg Ala Cys
385 390 395 400

Val Ser Phe Tyr His Trp Ala Met Val Ala Val Thr Gly Gly Val Gly
405 410 415

Val Ala Ala Ala Leu Cys Leu Cys Ser Leu Leu Leu Trp Pro Thr Arg
420 425 430

Leu Arg Arg Trp Asp Arg Asp Ala Arg Pro
435 440

<210> 150
<211> 75
<212> PRT
<213> Homo sapiens

<400> 150
Met Ser Arg Phe Ile Leu Asn His Leu Val Leu Ala Ile Pro Leu Arg
1 5 10 15

Val Leu Val Val Leu Trp Ala Phe Val Leu Gly Leu Ser Arg Val Met
20 25 30

Leu Gly Arg His Asn Val Thr Asp Val Ala Phe Gly Phe Phe Leu Gly
35 40 45

Tyr Met Gln Tyr Ser Ile Val Asp Tyr Cys Trp Leu Ser Pro His Asn
50 55 60

Ala Pro Val Leu Phe Leu Leu Trp Ser Gln Arg
65 70 75

<210> 151
<211> 51
<212> PRT
<213> Homo sapiens

<400> 151
Met Ala Gly Trp Phe Arg Gly Phe Phe Gly Phe Leu Phe Phe Leu
1 5 10 15

Cys Leu Phe Asn Leu Lys Leu Phe Lys Leu Lys His Ser Gln Met Phe
20 25 30

Gly Gly Lys His Pro Leu Lys Met Gly Pro Cys Ala Cys Leu Leu Gly

35

40

45

Arg Arg Ser
50

<210> 152
<211> 209
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 152
Met Ala Xaa Ser Ser Arg Gly Asn Ala Asp Ser Ile Val Ala Ser Leu
1 5 10 15

Val Leu Met Val Leu Tyr Leu Ile Lys Lys Arg Leu Val Ala Cys Ala
20 25 30

Ala Val Phe Tyr Gly Phe Xaa Val His Met Lys Ile Tyr Pro Val Thr
35 40 45

Tyr Ile Leu Pro Ile Thr Leu His Leu Leu Pro Asp Arg Asp Asn Asp
50 55 60

Lys Ser Leu Arg Gln Phe Arg Tyr Thr Phe Gln Ala Cys Leu Tyr Glu
65 70 75 80

Leu Leu Lys Lys Leu Cys Asn Arg Ala Val Leu Leu Phe Val Ala Val
85 90 95

Ala Gly Leu Thr Phe Phe Ala Leu Ser Phe Gly Phe Tyr Tyr Glu Tyr
100 105 110

Gly Trp Glu Phe Leu Glu His Thr Tyr Phe Tyr His Leu Thr Arg Arg
115 120 125

Asp Ile Arg His Asn Phe Ser Pro Tyr Phe Tyr Met Leu Tyr Leu Thr
130 135 140

Ala Glu Ser Lys Trp Ser Phe Ser Leu Gly Ile Ala Ala Phe Leu Pro
145 150 155 160

Gln Leu Ile Leu Leu Ser Ala Val Ser Phe Ala Tyr Tyr Arg Asp Leu
165 170 175

Val Phe Cys Cys Phe Leu His Thr Ser Ile Phe Val Thr Phe Asn Lys
180 185 190

Val Cys Thr Ser Gln Tyr Phe Leu Trp Val Pro Leu Ala Tyr Cys Leu
195 200 205

Leu

<210> 153
 <211> 218
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (168)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (174)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (198)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (213)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 153
 Met Arg Ala Leu Leu Ala Leu Cys Leu Leu Leu Gly Trp Leu Arg Trp
 1 5 10 15
 Gly Pro Ala Gly Ala Gln Gln Ser Gly Glu Tyr Cys His Gly Trp Val
 20 25 30
 Asp Val Gln Gly Asn Tyr His Glu Gly Phe Gln Cys Pro Glu Asp Phe
 35 40 45
 Asp Thr Leu Asp Ala Thr Ile Cys Cys Gly Ser Cys Ala Leu Arg Tyr
 50 55 60
 Cys Cys Ala Ala Ala Asp Ala Arg Leu Glu Gln Gly Gly Cys Thr Asn
 65 70 75 80
 Asp Arg Arg Glu Leu Glu His Pro Gly Ile Thr Ala Gln Pro Val Tyr
 85 90 95
 Val Pro Phe Leu Ile Val Gly Ser Ile Phe Ile Ala Phe Ile Ile Leu
 100 105 110
 Gly Ser Val Val Ala Ile Tyr Cys Cys Thr Cys Leu Arg Pro Lys Glu
 115 120 125
 Pro Ser Gln Gln Pro Ile Arg Phe Ser Leu Arg Ser Tyr Gln Thr Glu
 130 135 140
 Thr Leu Pro Met Ile Leu Thr Ser Thr Ser Pro Arg Ala Pro Ser Arg
 145 150 155 160
 Gln Ser Ser Thr Ala Thr Ser Xaa Ser Phe Thr Gly Gly Xaa Ile Arg
 165 170 175
 Arg Phe Phe Ser Ala Ile Trp Phe Pro Gly Val Thr Pro Val Phe Arg
 180 185 190
 Leu Pro Pro Ser Ala Xaa Ala Pro Thr Gly Trp Glu Glu Leu Ser Arg
 195 200 205

Leu Ser Val Pro Xaa Asp Thr Pro Arg Pro
 210 215

<210> 154

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 154

Met Gly Ala His Ser Phe Gly Phe Gln Leu Phe Met Ser Val Ser Val
 1 5 10 15

Leu Trp Gly Arg Leu Cys Leu Tyr Gly Arg Phe Ser Val Ile Thr Phe
 20 25 30

Ala Ser Pro Thr Thr Phe Met Xaa Ile Gln Cys Cys Ser His Cys
 35 40 45

Ser

<210> 155

<211> 40

<212> PRT

<213> Homo sapiens

<400> 155

Met His Ile His Leu Asp Thr Ser Ser Leu Lys Thr Leu His Leu Gly
 1 5 10 15

Thr Leu Phe Phe Leu Phe Tyr Leu Ala Leu Thr Gln Asn Glu Glu Asn
 20 25 30

Ile Cys Asp Gly Lys Val Thr Leu
 35 40

<210> 156

<211> 107

<212> PRT

<213> Homo sapiens

<400> 156

Met Pro Ile Ile Val Leu Ile Leu Val Ser Leu Leu Ser Gln Leu Met
 1 5 10 15

Val Ser Asn Pro Pro Tyr Ser Leu Tyr Pro Arg Ser Gly Thr Gly Gln
 20 25 30

Thr Ile Lys Met Gln Thr Glu Asn Leu Gly Val Val Tyr Tyr Val Asn
 35 40 45

Lys Asp Phe Lys Asn Glu Tyr Lys Gly Met Leu Leu Gln Lys Val Glu
 50 55 60

Lys Ser Val Glu Glu Asp Tyr Val Thr Asn Ile Arg Asn Asn Cys Trp

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<210> 157
<211> 156
<212> PRT
<213> Homo sapiens
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<210> 158
<211> 150
<212> PRT
<213> Homo sapiens
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<400> 158
Met Gly Tyr Leu Phe 5 Phe Leu Leu Phe Met 10 Ile Cys Trp Met Ile Tyr
1
Gly Cys Ile Ser Tyr Trp Gly Leu His Cys Glu Thr Thr Tyr Thr Lys
20
Asp Gly Phe 35 Trp Thr Tyr Ile Thr 40 Gln Ile Ala Thr Cys 45 Ser Pro Trp
Met Phe 50 Trp Met Phe Leu Asn 55 Ser Val Phe His Phe 60 Met Trp Val Ala

Val Leu Leu Met Cys Gln Met Tyr Gln Ile Ser Cys Leu Gly Ile Thr
65 70 75 80

Thr Asn Glu Arg Met Asn Ala Arg Arg Tyr Lys His Phe Lys Val Thr
85 90 95

Thr Thr Ser Ile Glu Ser Pro Phe Asn His Gly Cys Val Arg Asn Ile
100 105 110

Ile Asp Phe Phe Glu Phe Arg Cys Cys Gly Leu Phe Arg Pro Val Ile
115 120 125

Val Asp Trp Thr Arg Gln Tyr Thr Ile Glu Tyr Asp Gln Ile Ser Gly
130 135 140

Ser Gly Tyr Gln Leu Val
145 150

<210> 159

<211> 70

<212> PRT

<213> Homo sapiens

<400> 159

Met Ala Leu Thr Leu Leu Ile Gln Ile Ile Phe Leu Ala Leu Gly
1 5 10 15

Lys Ile Ser Phe Ile Phe Val Cys Cys Lys Asp Gly Phe Ala Arg Ile
20 25 30

Ser His Asp Gln Asp Lys Leu Pro Ile Gln Lys Pro Thr Asp Thr Asn
35 40 45

Tyr Ile Met Arg Lys Lys Cys Ile Gln Leu Gly His Ile Ser Phe Glu
50 55 60

Leu Phe Gly Leu Lys Ala
65 70

<210> 160

<211> 490

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (389)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 160

Met Leu Ala Leu Thr Phe Met Phe Met Val Leu Glu Val Val Ser
1 5 10 15

Arg Val Thr Ser Ser Leu Ala Met Leu Ser Asp Ser Phe His Met Leu
20 25 30

Ser Asp Val Leu Ala Leu Val Val Ala Leu Val Ala Glu Arg Phe Ala

35	40	45
Arg Arg Thr His Ala Thr	Gln Lys Asn Thr Phe	Gly Trp Ile Arg Ala
50	55	60
Glu Val Met Gly Ala Leu	Val Asn Ala Ile Phe	Leu Thr Gly Leu Cys
65	70	75
Phe Ala Ile Leu Leu	Glu Ala Ile Glu Arg	Phe Ile Glu Pro His Glu
85	90	95
Met Gln Gln Pro Leu	Val Val Leu Gly Val	Gly Val Ala Gly Leu Leu
100	105	110
Val Asn Val Leu Gly	Leu Cys Leu Phe His	His Ser Gly Phe Ser
115	120	125
Gln Asp Ser Gly His	Xaa His Ser His Gly	Gly His Gly His
130	135	140
Gly Leu Pro Lys Gly	Pro Arg Val Lys Ser	Thr Arg Pro Gly Ser Ser
145	150	155
Asp Ile Asn Val Ala	Pro Gly Glu Gln Gly	Pro Asp Gln Glu Glu Thr
165	170	175
Asn Thr Leu Val Ala	Asn Thr Ser Asn Ser	Asn Gly Leu Lys Leu Asp
180	185	190
Pro Ala Asp Pro Glu	Asn Pro Arg Ser Gly	Asp Thr Val Glu Val Gln
195	200	205
Val Asn Gly Asn Leu	Val Arg Glu Pro Asp	His Met Glu Leu Glu Glu
210	215	220
Asp Arg Ala Gly Gln	Leu Asn Met Arg Gly	Val Phe Leu His Val Leu
225	230	235
Gly Asp Ala Leu Gly	Ser Val Ile Val Val	Val Asn Ala Leu Val Phe
245	250	255
Tyr Phe Ser Trp Lys	Gly Cys Ser Glu Gly	Asp Phe Cys Val Asn Pro
260	265	270
Cys Phe Pro Asp Pro	Cys Lys Pro Phe Val	Glu Ile Ile Asn Ser Thr
275	280	285
His Ala Ser Val Tyr	Glu Ala Gly Pro Cys	Trp Val Leu Tyr Leu Asp
290	295	300
Pro Thr Leu Cys Val	Val Met Val Cys Ile	Leu Leu Tyr Thr Thr Tyr
305	310	315
Pro Leu Leu Lys Glu	Ser Ala Leu Ile Leu	Leu Gln Thr Val Pro Lys
325	330	335
Gln Ile Asp Ile Arg	Asn Leu Ile Lys Glu	Leu Arg Asn Val Glu Gly
340	345	350
Val Glu Glu Val His	Glu Leu His Val Trp	Gln Leu Ala Gly Ser Arg
355	360	365
Ile Ile Ala Thr Ala	His Ile Lys Cys Glu	Asp Pro Thr Ser Tyr Met
370	375	380
Glu Val Ala Lys Xaa	Ile Lys Asp Val Phe	His Asn His Gly Ile His

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<210> 161
<211> 31
<212> PRT
<213> Homo sapiens

<400> 161
Met Gln Pro Cys Val Ile Ser Trp Glu Gln Cys Ser Phe Val Ser Pro
 1             5             10             15
Arg Gly Pro His Val Tyr Ile Cys Phe His Asp Gln Arg Arg Phe
                20             25             30

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<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids
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400> 162																
Met	Leu	Gly	Leu	Leu	Gly	Ser	Thr	Ala	Leu	Val	Gly	Trp	Ile	Thr	Gly	
1				5					10					15		
Ala	Ala	Val	Ala	Val	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Ala	Thr	Cys	Leu	
			20					25					30			
Phe	His	Gly	Arg	Gln	Asp	Cys	Asp	Val	Glu	Arg	Asn	Arg	Thr	Ala	Ala	
		35					40					45				
Gly	Gly	Asn	Arg	Val	Arg	Arg	Ala	Gln	Pro	Trp	Pro	Phe	Arg	Arg	Arg	
	50					55					60					
Gly	His	Leu	Gly	Ile	Phe	His	His	His	Arg	His	Pro	Gly	His	Val	Ser	
65					70					75					80	


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<210> 163
<211> 473
<212> PRT
<213> Homo sapiens
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400> 163	Met	Lys	Arg	Ala	Ser	Ala	Gly	Gly	Ser	Arg	Leu	Leu	Ala	Trp	Val	Leu
1					5					10					15	
Trp	Leu	Gln	Ala	Trp	Gln	Val	Ala	Ala	Pro	Cys	Pro	Gly	Ala	Cys	Val	
			20					25					30			
Cys	Tyr	Asn	Glu	Pro	Lys	Val	Thr	Thr	Ser	Cys	Pro	Gln	Gln	Gly	Leu	
		35					40					45				
Gln	Ala	Val	Pro	Val	Gly	Ile	Pro	Ala	Ala	Ser	Gln	Arg	Ile	Phe	Leu	
	50					55					60					
His	Gly	Asn	Arg	Ile	Ser	His	Val	Pro	Ala	Ala	Ser	Phe	Arg	Ala	Cys	
65					70					75					80	
Arg	Asn	Leu	Thr	Ile	Leu	Trp	Leu	His	Ser	Asn	Val	Leu	Ala	Arg	Ile	
				85					90					95		
Asp	Ala	Ala	Ala	Phe	Thr	Gly	Leu	Ala	Leu	Leu	Glu	Gln	Leu	Asp	Leu	
			100					105				110				
Ser	Asp	Asn	Ala	Gln	Leu	Arg	Ser	Val	Asp	Pro	Ala	Thr	Phe	His	Gly	
		115					120					125				
Leu	Gly	Arg	Leu	His	Thr	Leu	His	Leu	Asp	Arg	Cys	Gly	Leu	Gln	Glu	
	130					135					140					
Leu	Gly	Pro	Gly	Leu	Phe	Arg	Gly	Leu	Ala	Ala	Leu	Gln	Tyr	Leu	Tyr	
145					150					155					160	
Leu	Gln	Asp	Asn	Ala	Leu	Gln	Ala	Leu	Pro	Asp	Asp	Thr	Phe	Arg	Asp	
			165						170					175		
Leu	Gly	Asn	Leu	Thr	His	Leu	Phe	Leu	His	Gly	Asn	Arg	Ile	Ser	Ser	
		180						185					190			
Val	Pro	Glu	Arg	Ala	Phe	Arg	Gly	Leu	His	Ser	Leu	Asp	Arg	Leu	Leu	
		195					200					205				
Leu	His	Gln	Asn	Arg	Val	Ala	His	Val	His	Pro	His	Ala	Phe	Arg	Asp	
	210					215					220					
Leu	Gly	Arg	Leu	Met	Thr	Leu	Tyr	Leu	Phe	Ala	Asn	Asn	Leu	Ser	Ala	
225					230					235					240	
Leu	Pro	Thr	Glu	Ala	Leu	Ala	Pro	Leu	Arg	Ala	Leu	Gln	Tyr	Leu	Arg	
			245						250				255			

Leu Asn Asp Asn Pro Trp Val Cys Asp Cys Arg Ala Arg Pro Leu Trp
 260 265 270
 Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser Ser Glu Val Pro Cys Ser
 275 280 285
 Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu Lys Arg Leu Ala Ala Asn
 290 295 300
 Asp Leu Gln Gly Cys Ala Val Ala Thr Gly Pro Tyr His Pro Ile Trp
 305 310 315 320
 Thr Gly Arg Ala Thr Asp Glu Glu Pro Leu Gly Leu Pro Lys Cys Cys
 325 330 335
 Gln Pro Asp Ala Ala Asp Lys Ala Ser Val Leu Glu Pro Gly Arg Pro
 340 345 350
 Ala Ser Ala Gly Asn Ala Leu Lys Gly Arg Val Pro Pro Gly Asp Ser
 355 360 365
 Pro Pro Gly Asn Gly Ser Gly Pro Arg His Ile Asn Asp Ser Pro Phe
 370 375 380
 Gly Thr Leu Pro Gly Ser Ala Glu Pro Pro Ala His Cys Ser Ala Ala
 385 390 395 400
 Arg Gly Leu Arg Ala Thr Arg Phe Pro Thr Ser Gly Pro Arg Arg Arg
 405 410 415
 Pro Gly Cys Ser Arg Lys Asn Arg Thr Arg Ser His Cys Arg Leu Gly
 420 425 430
 Gln Ala Gly Ser Gly Gly Gly Gly Thr Gly Asp Ser Glu Gly Ser Gly
 435 440 445
 Ala Leu Pro Ser Leu Thr Cys Ser Leu Thr Pro Leu Gly Leu Ala Leu
 450 455 460
 Val Leu Trp Thr Val Leu Gly Pro Cys
 465 470

<210> 164
 <211> 91
 <212> PRT
 <213> Homo sapiens

<400> 164
 Met Arg Leu Cys Val Thr Gly Pro Pro Val Phe Phe Phe Phe Leu Asn
 1 5 10 15
 Phe Phe Phe Phe Leu Cys Val Gly Ala Cys Leu Gly Asp Leu Lys Ile
 20 25 30
 Ser Arg Leu Val Tyr Leu Cys Lys Ala Cys Leu Arg Leu Glu Tyr Leu
 35 40 45
 Gly Lys Glu Ser Asp Ser Met Leu Ser Glu Phe Leu Lys Gly Gln Lys
 50 55 60
 Lys Asn Trp Arg Leu Leu Lys Cys Arg Phe Glu Val Ile Phe Leu Lys
 65 70 75 80
 Tyr Tyr Phe Gly Phe Cys Asp Ile Val Lys Asn

<210> 165
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 165
 Met Lys Lys His Thr Lys Cys Gln Trp Leu Lys Met Thr Ile Leu Phe
 1 5 10 15
 Leu Thr Val Met Lys Ile Gly Tyr Gly Thr Ser Ala Ser Cys Tyr Arg
 20 25 30
 Pro Glu Val Leu Gly Leu Leu Met Pro His Pro Leu
 35 40

<210> 166
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 166
 Met Ser Cys Gly Cys Cys Phe Ile His Ile Tyr Asn Leu Leu Leu Ser
 1 5 10 15
 Leu Cys Tyr Gly Leu Gly Val Glu Arg Val Lys Phe Phe Thr Phe Ser
 20 25 30
 Ile Leu Lys Lys Glu Thr Met Leu Leu Asn Tyr Leu Phe
 35 40 45

<210> 167
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 167
 Met Leu Ser Ser Pro Ile Leu Ala Ser Gly Pro Ala Trp Leu Ala Cys
 1 5 10 15
 Ser Phe Ser His Val Gln Trp Trp Val Cys Leu Ile Ala Gln Val Gln
 20 25 30
 Phe Ser Ala Ala Thr Val Ser Pro Gly Arg Ala Gly Thr Gly Ala Ala
 35 40 45
 Pro Ser Val Pro Ala Val Trp Ala Ala Glu Ala Arg Gly Pro Ser Val
 50 55 60
 Pro Ser Thr Leu Gln Gly Ser Pro Val Leu Gln Arg Asp Leu Ala Asn
 65 70 75 80
 Pro Pro Pro Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 85 90 95
 Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 100 105 110
 Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Gly Pro

115

120

125

<210> 168

<211> 57

<212> PRT

<213> Homo sapiens

<400> 168

Met His Pro Trp Arg Leu Ser Met Cys Pro Ala Cys Val Leu Ala Ala
1 5 10 15Leu Pro Ala Leu Cys Ser Cys Leu Cys Ser Pro Asp Ala Arg Pro Pro
20 25 30His Gly Trp Met Ser Met Pro Phe Thr Pro His Pro Leu Val Ser Arg
35 40 45Ala Met Pro Thr Cys His Pro Cys Ser
50 55

<210> 169

<211> 97

<212> PRT

<213> Homo sapiens

<400> 169

Met Tyr Arg Ala Ile Asp Ser Phe Pro Arg Trp Arg Ser Tyr Phe Tyr
1 5 10 15Phe Ile Thr Leu Ile Phe Phe Leu Ala Trp Leu Val Lys Asn Val Phe
20 25 30Ile Ala Val Ile Ile Glu Thr Phe Ala Glu Ile Arg Val Gln Phe Gln
35 40 45Gln Met Trp Gly Ser Arg Ser Ser Thr Thr Ser Thr Ala Thr Thr Gln
50 55 60Met Phe His Glu Asp Ala Ala Gly Gly Trp Gln Leu Val Ala Val Gly
65 70 75 80Cys Gln Gln Ala Pro Gly Thr Arg Pro Ser Leu Pro Pro Gly Ala Val
85 90 95

Gln

<210> 170

<211> 59

<212> PRT

<213> Homo sapiens

<400> 170

Met Thr Ser Phe Cys Glu Met Leu Lys Gly Ser Ala Ala Gly Cys Leu
1 5 10 15

Val Leu Leu Ala Phe Ala Phe Tyr Leu Ala Cys Ser Phe Ser His Lys

20 25 30
 Thr Lys Ser His Ser His Tyr Ala Leu Phe Ile Leu Gln Asp Tyr Leu
 35 40 45
 Leu Gly Asn Phe Tyr Tyr Ile Pro Leu Ser Pro
 50 55

<210> 171
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 171
 Met Ser Val Ala His Met His Ala Cys Val Phe Leu Cys Ala Cys Val
 1 5 10 15
 Phe Cys Leu Ala Glu Asn Ala Leu Glu Ser Val Ile Ile Leu Cys Tyr
 20 25 30
 Ser Tyr Asn Lys Asp Glu Val Arg Glu His
 35 40

<210> 172
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 172
 Met Lys Thr His Leu Leu Met Phe Leu Leu Ser Cys Met Ala Arg Cys
 1 5 10 15
 Thr Gly Ile Val Pro Lys Arg Pro Gln Pro Ala Phe Pro Leu Arg Gly
 20 25 30
 Arg Arg Arg Lys Asn Ser Phe Leu Phe Leu Leu Ser Phe Ser Ile Glu
 35 40 45
 Phe Leu Leu Cys Val Trp
 50

<210> 173
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 173
 Met Cys Lys Ala Val Cys Lys His Arg Leu Xaa Leu Phe Ala Val Ser
 1 5 10 15
 Ser Phe Ser Leu Gly Leu Gly Trp Val Cys Val Leu Val Leu Met Leu
 20 25 30
 Trp Pro Val Arg Leu Ser Leu Ala Pro Arg Pro Val Gln Leu Gln Gln
 35 40 45

Arg Arg Ser His Cys
50

<210> 174
<211> 53
<212> PRT
<213> Homo sapiens

<400> 174
Met Phe Thr Ala Pro Leu Phe Phe Phe Phe Phe Glu Ile Ile Asn
1 5 10 15
Ser Met Arg Asn Leu Gly Leu Asn Ile Cys Leu Leu Cys Leu Leu Ile
20 25 30
Glu His His Ser Arg Pro Ser Val Cys Leu Pro Phe Thr Pro Lys Ile
35 40 45
Leu Thr Lys Lys Phe
50

<210> 175
<211> 48
<212> PRT
<213> Homo sapiens
<400> 175
Met Leu Cys Phe Leu Pro Ile Pro Leu Leu Ser Ile Leu Ser Pro Gln
1 5 10 15
Thr Gln Ala Ser Arg Leu Leu Asp Glu Thr Val Arg Arg Lys His Phe
20 25 30
Leu Thr Tyr Pro Phe Gly Ile Ser Ser Ile Ile Thr Gln Ala Leu Leu
35 40 45

<210> 176
<211> 224
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (183)
<223> Xaa equals any of the naturally occurring L-amino acids
<220>
<221> SITE
<222> (214)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 176
Met Val Leu Val Ala Leu Ile Leu Leu His Ser Ala Leu Ala Gln Ser
1 5 10 15
Arg Arg Asp Phe Ala Pro Pro Gly Gln Gln Lys Arg Glu Ala Pro Val

20					25					30					
Asp	Val	Leu	Thr	Gln	Ile	Gly	Arg	Ser	Val	Arg	Gly	Thr	Leu	Asp	Ala
	35						40					45			
Trp	Ile	Gly	Pro	Glu	Thr	Met	His	Leu	Val	Ser	Glu	Ser	Ser	Ser	Gln
	50					55					60				
Val	Leu	Trp	Ala	Ile	Ser	Ser	Ala	Ile	Ser	Val	Ala	Phe	Phe	Ala	Leu
	65					70					75				80
Ser	Gly	Ile	Ala	Ala	Gln	Leu	Leu	Asn	Ala	Leu	Gly	Leu	Ala	Gly	Asp
						85			90					95	
Tyr	Leu	Ala	Gln	Gly	Leu	Lys	Leu	Ser	Pro	Gly	Gln	Val	Gln	Thr	Phe
			100					105					110		
Leu	Leu	Trp	Gly	Ala	Gly	Ala	Leu	Val	Val	Tyr	Trp	Leu	Leu	Ser	Leu
		115					120					125			
Leu	Leu	Gly	Leu	Val	Leu	Ala	Leu	Gly	Arg	Ile	Leu	Trp	Gly	Leu	
	130					135					140				
Lys	Leu	Val	Ile	Phe	Leu	Ala	Gly	Phe	Val	Ala	Leu	Met	Arg	Ser	Val
	145					150					155				160
Pro	Asp	Pro	Ser	Thr	Arg	Ala	Leu	Leu	Leu	Ala	Leu	Leu	Ile	Leu	
			165					170					175		
Tyr	Ala	Leu	Leu	Ser	Arg	Xaa	Thr	Gly	Ser	Arg	Ala	Ser	Gly	Ala	Gln
			180					185					190		
Leu	Glu	Ala	Lys	Val	Arg	Gly	Leu	Glu	Arg	Gln	Val	Glu	Glu	Leu	Arg
	195						200					205			
Trp	Arg	Gln	Arg	Gln	Xaa	Ala	Lys	Gly	Ala	Arg	Ser	Val	Glu	Glu	Glu
	210					215					220				

<210> 177
 <211> 200
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (178)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (190)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 177

Met Leu Gln Arg Met Leu Ile Asp Val Xaa Xaa Phe Leu Phe Leu Phe
1 5 10 15

Ala Val Trp Met Val Ala Phe Gly Val Ala Xaa Gln Gly Ile Leu Arg
20 25 30

Gln Asn Glu Gln Arg Trp Arg Trp Ile Phe Arg Ser Val Ile Tyr Glu
35 40 45

Pro Xaa Leu Ala Met Phe Gly Gln Val Pro Ser Xaa Val Asp Gly Thr
50 55 60

Thr Tyr Asp Phe Ala His Cys Thr Phe Thr Gly Asn Glu Ser Lys Pro
65 70 75 80

Leu Cys Val Xaa Leu Asp Glu His Asn Leu Pro Arg Phe Pro Glu Trp
85 90 95

Ile Thr Ile Pro Leu Val Cys Ile Tyr Met Leu Ser Thr Asn Ile Leu
100 105 110

Leu Val Asn Leu Leu Val Ala Met Phe Gly Tyr Thr Val Gly Thr Val
115 120 125

Gln Glu Asn Asn Asp Gln Val Trp Lys Phe Gln Arg Tyr Phe Leu Val
130 135 140

Gln Glu Tyr Cys Ser Arg Leu Asn Ile Pro Phe Pro Phe Ile Val Phe
145 150 155 160

Ala Tyr Phe Tyr Met Val Val Lys Lys Cys Phe Lys Cys Cys Cys Lys
165 170 175

Glu Xaa Asn Xaa Glu Ser Ser Val Cys Cys Ser Lys Met Xaa Thr Met
180 185 190

Arg Leu Trp His Gly Arg Val Ser
195 200

<210> 178
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 178
 Met Pro Arg Ala Thr Leu Trp Gly His Leu Ser Pro Ala Trp Val Leu
 1 5 10
 Val Pro Trp Thr Pro Arg Ala Cys Gly Gln Ala Ala Pro Gly Arg Gly
 20 25 30
 His Val Ala Ser Asp His Lys Ser Gly Leu Pro Trp Pro Lys His Cys
 35 40 45
 Ser Cys Leu His Pro Arg Ala Ser Gln Pro Cys Leu Phe Ser Leu Asn
 50 55 60
 Ser Asn Arg Thr Val Phe Thr Ala Ile Gln Arg Val Ala Leu Gly Trp
 65 70 75 80
 Thr Phe Trp Val Gln Ala Asn Leu Val Pro Arg Cys Thr
 85 90

<210> 179
 <211> 404
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (77)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (98)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (108)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (122)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE

<222> (124)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (126)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (175)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (192)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (210)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (236)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (239)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (309)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (335)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (389)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 179
 Met His Pro Ile Pro Ser Ser Phe Met Ile Lys Ala Val Ser Ser Phe
 1 5 10 15
 Leu Thr Ala Glu Glu Ala Ser Val Gly Asn Pro Glu Gly Ala Phe Met
 20 25 30
 Lys Val Leu Gln Ala Arg Lys Asn Xaa Thr Ser Thr Glu Leu Ile Val
 35 40 45
 Glu Pro Glu Glu Pro Ser Asp Ser Ser Gly Ile Asn Leu Ser Gly Phe
 50 55 60
 Gly Ser Glu Gln Leu Asp Thr Asn Asp Glu Ser Asp Xaa Ile Ser Thr
 65 70 75 80
 Leu Ser Tyr Ile Leu Pro Tyr Phe Ser Ala Val Asn Leu Asp Val Xaa
 85 90 95

Ser Xaa Leu Leu Pro Phe Ile Lys Leu Pro Thr Xaa Gly Asn Ser Leu
 100 105 110
 Ala Lys Ile Gln Thr Val Gly Gln Asn Xaa Gln Xaa Val Xaa Arg Val
 115 120 125
 Leu Met Gly Pro Arg Ser Ile Gln Lys Arg His Phe Lys Glu Val Gly
 130 135 140
 Arg Gln Ser Ile Arg Arg Glu Gln Gly Ala Gln Ala Ser Val Glu Asn
 145 150 155 160
 Ala Ala Glu Glu Lys Arg Leu Gly Ser Pro Ala Pro Arg Glu Xaa Glu
 165 170 175
 Gln Pro His Thr Gln Gln Gly Pro Glu Lys Leu Ala Gly Asn Ala Xaa
 180 185 190
 Tyr Thr Lys Pro Ser Phe Thr Gln Glu His Lys Ala Ala Val Ser Val
 195 200 205
 Leu Xaa Pro Phe Ser Lys Gly Ala Pro Ser Thr Ser Ser Pro Ala Lys
 210 215 220
 Ala Leu Pro Gln Val Arg Asp Arg Trp Lys Asp Xaa Thr His Xaa Ile
 225 230 235 240
 Ser Ile Leu Glu Ser Ala Lys Ala Arg Val Thr Asn Met Lys Ala Ser
 245 250 255
 Lys Pro Ile Ser His Ser Arg Lys Lys Tyr Arg Phe His Lys Thr Arg
 260 265 270
 Ser Arg Met Thr His Arg Thr Pro Lys Val Lys Lys Ser Pro Lys Phe
 275 280 285
 Arg Lys Lys Ser Tyr Leu Ser Arg Leu Met Leu Ala Asn Arg Pro Pro
 290 295 300
 Phe Ser Ala Ala Xaa Ser Leu Ile Asn Ser Pro Ser Gln Gly Ala Phe
 305 310 315 320
 Ser Ser Leu Gly Asp Leu Ser Pro Gln Glu Asn Pro Phe Leu Xaa Val
 325 330 335
 Ser Ala Pro Ser Glu His Phe Ile Glu Thr Thr Asn Ile Lys Asp Thr
 340 345 350
 Thr Ala Arg Asn Ala Leu Glu Glu Asn Val Phe Met Glu Asn Thr Asn
 355 360 365
 Met Pro Glu Val Thr Ile Ser Glu Asn Thr Asn Tyr Asn His Pro Pro
 370 375 380
 Glu Ala Asp Ser Xaa Gly Thr Ala Phe Asn Leu Gly Pro Thr Val Lys
 385 390 395 400
 Gln Thr Glu Thr

<210> 180
 <211> 387
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (228)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (359)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 180

Met Gly Ala Phe Leu Asp Lys Pro Lys Thr Glu Lys His Asn Ala His

1

5

10

15

Gly Ala Gly Asn Gly Leu Arg Tyr Gly Leu Ser Ser Met Gln Gly Trp

20

25

30

Arg Val Glu Met Glu Asp Ala His Thr Ala Val Val Gly Ile Pro His

35

40

45

Gly Leu Glu Asp Trp Ser Phe Phe Ala Val Tyr Asp Gly His Ala Gly

50

55

60

Ser Arg Val Ala Asn Tyr Cys Ser Thr His Leu Leu Glu His Ile Thr

65

70

75

80

Thr Asn Glu Asp Phe Arg Ala Ala Gly Lys Ser Gly Ser Ala Leu Glu

85

90

95

Leu Ser Val Glu Asn Val Lys Asn Gly Ile Arg Thr Gly Phe Leu Lys

100

105

110

Ile Asp Glu Tyr Met Arg Asn Phe Ser Asp Leu Arg Asn Gly Met Asp

115

120

125

Arg Ser Gly Ser Thr Ala Val Gly Val Met Ile Ser Pro Lys His Ile

130

135

140

Tyr Phe Ile Asn Cys Gly Asp Ser Arg Ala Val Leu Tyr Arg Asn Gly

145

150

155

160

Gln Val Cys Phe Ser Thr Gln Asp His Lys Pro Cys Asn Pro Arg Glu

165

170

175

Lys Glu Arg Ile Gln Asn Ala Gly Gly Ser Val Met Ile Gln Arg Val

180

185

190

Asn Gly Ser Leu Ala Val Ser Arg Ala Leu Gly Asp Tyr Asp Tyr Lys

195

200

205

Cys Val Asp Gly Lys Gly Pro Thr Glu Gln Leu Val Ser Pro Glu Pro

210

215

220

Glu Val Tyr Xaa Ile Leu Arg Ala Glu Glu Asp Glu Phe Ile Ile Leu

225

230

235

240

Ala Cys Asp Gly Ile Trp Asp Val Met Ser Asn Glu Glu Leu Cys Glu

245

250

255

Tyr Val Lys Ser Arg Leu Glu Val Ser Asp Asp Leu Glu Asn Val Cys

260

265

270

Asn Trp Val Val Asp Thr Cys Leu His Lys Gly Ser Arg Asp Asn Met

275

280

285

Ser Ile Val Leu Val Cys Phe Ser Asn Ala Pro Lys Val Ser Asp Glu
290 295 300

Ala Val Lys Lys Asp Ser Glu Leu Asp Lys His Leu Glu Ser Arg Val
305 310 315 320

Glu Glu Ile Met Glu Lys Ser Gly Glu Glu Gly Met Pro Asp Leu Ala
325 330 335

His Val Met Arg Ile Leu Ser Ala Glu Asn Ile Pro Asn Leu Pro Pro
340 345 350

Gly Gly Gly Leu Ala Gly Xaa Arg Asn Val Ile Glu Ala Val Tyr Ser
355 360 365

Arg Leu Asn Pro His Arg Glu Ser Asp Gly Gly Ala Gly Asp Leu Glu
370 375 380

Asp Pro Trp
385

<210> 181

<211> 145

<212> PRT

<213> Homo sapiens

<400> 181

Met Ala Phe Phe Thr Gly Leu Trp Gly Pro Phe Thr Cys Val Ser Arg
1 5 10 15

Val Leu Ser His His Cys Phe Ser Thr Thr Gly Ser Leu Ser Ala Ile
20 25 30

Gln Lys Met Thr Arg Val Arg Val Val Asp Asn Ser Ala Leu Gly Asn
35 40 45

Ser Pro Tyr His Arg Ala Pro Arg Cys Ile His Val Tyr Lys Lys Asn
50 55 60

Gly Val Gly Lys Val Gly Asp Gln Ile Leu Leu Ala Ile Lys Gly Gln
65 70 75 80

Lys Lys Lys Ala Leu Ile Val Gly His Cys Met Pro Gly Pro Arg Met
85 90 95

Thr Pro Arg Phe Asp Ser Asn Asn Val Val Leu Ile Glu Asp Asn Gly
100 105 110

Asn Pro Val Gly Thr Arg Ile Lys Thr Pro Ile Pro Thr Ser Leu Arg
115 120 125

Lys Arg Glu Gly Glu Tyr Ser Lys Val Leu Ala Ile Ala Gln Asn Phe
130 135 140

Val
145

<210> 182

<211> 140

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (129)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (132)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (134)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 182
 Met Phe Phe Ser Leu Pro Gly Leu Trp Gln Ile Ala Ser Phe Thr His
 1 5 10 15
 Asn Leu Ile Phe His Leu Trp Val Trp Gly Ser Glu Ser Gly Glu His
 20 25 30
 Leu Gln Ser His Asn Asp Pro Asp Thr Arg Gln Gly Gly His Ile Pro
 35 40 45
 Ile Arg Leu Leu Gly Glu Ser Ser Ala Ser Val Pro Gly Ser Ser Glu
 50 55 60
 Gly His Thr Gly Gly Pro Ala Pro Pro Arg Val Gly Gly Ser Ala Gly
 65 70 75 80
 Ile Ile Arg Thr His Val Val Phe Leu Val Ser Trp Pro Leu Leu Gln
 85 90 95
 Arg Glu Gln His Arg Leu Ser Trp Lys Leu Pro Ser Val Met Trp Gly
 100 105 110
 Asp Ser Arg Glu Pro His Leu Ala Arg Leu Asp Gln Ser Lys Trp Pro
 115 120 125
 Xaa Ala Thr Xaa Ala Xaa Gln Tyr Leu Gly Arg Gly
 130 135 140

<210> 183
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 183
 Met Val Pro Gly Ala Ala Gly Trp Cys Cys Leu Val Leu Trp Leu Pro
 1 5 10 15
 Ala Cys Val Ala Ala His Gly Phe Arg Ile His Asp Tyr Leu Tyr Phe
 20 25 30
 Gln Val Leu Ser Pro Gly Asp Ile Arg Tyr Ile Phe Thr Ala Thr Pro
 35 40 45
 Ala Lys Asp Phe Gly Gly Ile Phe His Thr Arg Tyr Glu Gln Ile His
 50 55 60
 Leu Val Pro Ala Glu Pro Pro Glu Ala Cys Gly Glu Leu Ser Asn Gly
 65 70 75 80

Phe Phe Ile Gln Asp Gln Ile Ala Leu Val Glu Arg Gly Gly Cys Ser
85 90 95

Phe Leu Ser Lys Thr Arg Val Val Gln Glu His Gly Gly Arg Ala Val
100 105 110

Ile Ile Ser Asp Asn Ala Leu Thr Met Thr Ala Ser Thr Trp Arg
115 120 125

<210> 184

<211> 146

<212> PRT

<213> Homo sapiens

<400> 184

Met Gln Gln Ser Arg Leu Leu Leu Pro Phe Leu Phe Phe Leu Leu Glu
1 5 10 15

Gly Cys Ala Pro Ser Ser Leu Gly Pro Gly Ala Ala Pro Gly Ser Gly
20 25 30

His Ser Leu Gly Pro Pro Gly Ser Pro Gly Ala Pro Gly Pro Gln Pro
35 40 45

Ala Val Gly Pro Ser Ser Pro Cys Gln Pro Gly Pro Ser Pro Ser Ser
50 55 60

Pro Ala Ala Ala Ala Ala Ser Ser Gln Ser Ser Val Ala Ser Trp Pro
65 70 75 80

Cys Thr Leu Arg Cys Ala Ala Pro Ser Pro Asp Ala Ser Ala Leu Arg
85 90 95

Pro Ala Ala Ser Pro Ala Ala Thr Pro Ala Trp Ser Pro Gly Ser Gly
100 105 110

Thr Ile Arg Val Leu Arg Pro Pro Ala Pro Ala Ala Pro Ala Thr
115 120 125

Ala Ile Thr Asn Arg Gly Pro Pro Arg Arg Arg Arg Asn Ala Arg
130 135 140

Thr Ala
145

<210> 185

<211> 68

<212> PRT

<213> Homo sapiens

<400> 185

Met Lys Pro Thr Arg Ser Leu Trp Ile Ser Phe Leu Met Cys Cys Trp
1 5 10 15

Ile Trp Phe Ala Asn Ile Leu Leu Arg Ile Phe Ala Ser Val Phe Phe
20 25 30

Arg Asp Ile Gly Leu Lys Phe Ser Phe Phe Cys Cys Val Ser Ala Arg
35 40 45

Leu Trp Tyr Gln Asp Asp Ala Gly Leu Ile Asn Glu Leu Gly Arg Ile

50 55 60

Pro Ser Phe Tyr
65

<210> 186
<211> 51
<212> PRT
<213> Homo sapiens

<400> 186
Met Thr Pro Val Phe Arg Ala Trp Gly Leu Trp Val Tyr Val Leu Pro
1 5 10 15
Thr Gly Phe Pro Gly Pro Cys Cys Met Met Leu Leu Glu Leu Phe Pro
20 25 30
Lys Glu Ser Val Pro Gln Ala Tyr Gln Gly Ile Leu Leu Tyr Leu His
35 40 45
Phe Gly Phe
50

<210> 187
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 187
Met Gly Met Pro Leu Val Thr Val Thr Ala Ala Thr Phe Pro Thr Leu
1 5 10 15
Ser Cys Pro Pro Arg Ala Trp Pro Glu Val Glu Ala Pro Glu Ala Pro
20 25 30
Ala Leu Pro Val Val Pro Glu Leu Pro Glu Val Pro Met Glu Met Pro
35 40 45
Leu Val Leu Pro Pro Glu Leu Glu Leu Ser Leu Glu Ala Val His
50 55 60
Arg Tyr Gln Xaa Gly Gly Thr Leu Met Gly Trp Thr Arg Ala Glu Ala
65 70 75 80
Ser Ala Asn Gly Ser
85

<210> 188
<211> 191
<212> PRT
<213> Homo sapiens

<400> 188
Met Gly Asp His Leu Asp Leu Leu Leu Gly Val Val Leu Met Ala Gly
1 5 10 15

Pro Val Phe Gly Ile Pro Ser Cys Ser Phe Asp Gly Arg Ile Ala Phe
20 25 30

Tyr Arg Phe Cys Asn Leu Thr Gln Val Pro Gln Val Leu Asn Thr Thr
35 40 45

Glu Arg Leu Leu Leu Ser Phe Asn Tyr Ile Arg Thr Val Thr Ala Ser
50 55 60

Ser Phe Pro Phe Leu Glu Gln Leu Gln Leu Glu Leu Gly Ser Gln
65 70 75 80

Tyr Thr Pro Leu Thr Ile Asp Lys Glu Ala Phe Arg Asn Leu Pro Asn
85 90 95

Leu Arg Ile Leu Asp Leu Gly Ser Ser Lys Ile Tyr Phe Leu His Pro
100 105 110

Asp Ala Phe Gln Gly Leu Phe His Leu Phe Glu Leu Arg Leu Tyr Phe
115 120 125

Cys Gly Leu Ser Asp Ala Val Leu Lys Asp Gly Tyr Phe Arg Asn Leu
130 135 140

Lys Ala Leu Thr Arg Leu Asp Leu Ser Lys Asn Gln Ile Arg Ser Leu
145 150 155 160

Tyr Leu His Pro Ser Phe Gly Lys Leu Asn Ser Leu Lys Ser Ile Asp
165 170 175

Phe Ser Ser Asn Gln Ile Phe Leu Val Cys Glu His Glu Leu Glu
180 185 190

<210> 189
<211> 231
<212> PRT
<213> Homo sapiens

<400> 189
Met Trp Ala Leu Gln Leu Ser Leu Pro Thr Cys Gly Leu Ala Ala Leu
1 5 10 15

Leu Thr His Met Arg Pro Cys Ser Ser Pro Tyr Pro His Ala Gly Leu
20 25 30

Ala Ala Leu Leu Thr His Met Gly Pro Cys Arg Ser Pro Tyr Pro His
35 40 45

Gly Gly Leu Ala Ala Val Leu Thr His Met Arg Ala Leu Gln Leu Ser
50 55 60

Leu Pro Thr Trp Gly Leu Ala Ala Leu Leu Thr His Met Arg Pro Cys
65 70 75 80

Ser Ser Pro Tyr Pro His Ala Gly Leu Ala Cys Cys Trp Leu Trp Ser
85 90 95

Leu Ser Ser His Arg Ser Leu Gln Val Gln Ala Thr His Arg Leu Val
100 105 110

Val Arg Thr Ile Lys Asp Arg Val Met Leu Lys Val Leu Pro Gln Thr
115 120 125

Arg Arg Arg Gly Pro Phe Leu Ser Ser Cys Arg Asn Asp Val Met Arg
130 135 140

Asn Cys Val Pro Arg His Ala Val Leu Val Thr Cys Val Phe Val
145 150 155 160

Ser Phe Pro Thr His Cys Lys Val Gly Ile Thr Gly Pro Ile Thr Gln
165 170 175

Val Lys Gln Lys Pro Gly Asn His Ser Ser Pro Cys Pro Val Ile Gln
180 185 190

Leu Val Ala Lys Ala Glu Phe Glu Leu Met Leu Pro Ser Val Pro Lys
195 200 205

Pro Val Tyr Leu Thr Leu Val Leu Ser Cys Trp Cys Leu Cys Asp Val
210 215 220

Pro Cys Leu Ser Val Ser Leu
225 230

<210> 190

<211> 68

<212> PRT

<213> Homo sapiens

<400> 190

Met Tyr Leu Glu Val Ala Val Arg Pro Phe Leu Ile Ile Val Ala Phe
1 5 10 15

Leu Gly Leu Ser Phe Leu Ala Leu Gln Met Pro Phe Trp Gln Gly Ser
20 25 30

Ala Val Gly His Leu Arg Ala Gly Gly Ala Gly Val Ala His Leu Ser
35 40 45

Gln Ala Gly Ile Ile Gln Ala Pro Val His Ser Gly Arg Glu Gly Gln
50 55 60

Pro Pro Pro Gly
65

<210> 191

<211> 211

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 191

Met Gly Glu Ala Ser Pro Pro Ala Pro Ala Arg Arg His Leu Leu Val
1 5 10 15

Leu Leu Leu Leu Leu Ser Thr Leu Val Ile Pro Ser Ala Ala Ala Pro

20 25 30
 Ile His Asp Ala Asp Ala Gln Glu Ser Ser Leu Gly Leu Thr Gly Leu
 35 40 45
 Gln Ser Leu Leu Gln Gly Phe Ser Arg Leu Phe Leu Lys Gly Asn Leu
 50 55 60
 Leu Arg Gly Ile Asp Ser Leu Phe Ser Ala Pro Met Asp Phe Arg Gly
 65 70 75 80
 Leu Pro Gly Asn Tyr His Lys Glu Glu Asn Gln Glu His Gln Leu Gly
 85 90 95
 Asn Asn Thr Xaa Ser Ser Xaa Leu Gln Ile Asp Lys Val Pro Arg Met
 100 105 110
 Glu Glu Lys Glu Ala Leu Val Pro Ile Gln Lys Ala Thr Asp Ser Phe
 115 120 125
 His Thr Glu Leu His Pro Arg Val Ala Phe Trp Ile Ile Lys Leu Pro
 130 135 140
 Arg Arg Arg Ser His Gln Asp Ala Leu Glu Gly Gly His Trp Leu Ser
 145 150 155 160
 Glu Lys Arg His Arg Leu Gln Ala Ile Arg Asp Gly Leu Arg Lys Gly
 165 170 175
 Thr His Lys Asp Val Leu Glu Glu Gly Thr Glu Ser Ser Ser His Ser
 180 185 190
 Arg Leu Ser Pro Arg Lys Thr His Leu Leu Tyr Ile Leu Arg Pro Ser
 195 200 205
 Arg Gln Leu
 210

<210> 192

<211> 90

<212> PRT

<213> Homo sapiens

<400> 192

Met Leu Val Val Ser Thr Val Ile Ile Val Phe Trp Glu Phe Ile Asn
 1 5 10 15

Ser Thr Glu Gly Ser Phe Leu Trp Ile Tyr His Ser Lys Asn Pro Glu
 20 25 30

Val Asp Asp Ser Ser Ala Gln Lys Gly Trp Trp Phe Leu Ser Trp Phe
 35 40 45

Asn Asn Gly Ile His Asn Tyr Gln Gln Gly Glu Glu Asp Ile Asp Lys
 50 55 60

Glu Lys Gly Arg Glu Glu Thr Lys Gly Arg Lys Met Thr Gln Gln Ser
 65 70 75 80

Phe Gly Tyr Gly Thr Gly Leu Ile Gln Thr
 85 90

<210> 193
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 193
 Met Glu Leu Met Ala Leu Phe Phe Arg Thr Thr Thr Val Ala Ala Met
 1 5 10 15
 Ala Ser Arg Gly Ala Leu Ala Leu Phe Leu Arg Lys Ile Leu Ser Glu
 20 25 30
 Ala Lys Phe Lys Leu Ser Leu Thr Pro Gln Pro Pro Gln Pro Phe Tyr
 35 40 45
 Ile Tyr Met Ala Tyr Tyr Ser Glu Asn Phe Phe Leu Lys Phe
 50 55 60

<210> 194
 <211> 295
 <212> PRT
 <213> Homo sapiens

<400> 194
 Met Leu Cys Cys Trp Phe Pro Trp Arg Ile Leu Ala Ala Gly Gln Val
 1 5 10 15
 Pro Tyr Ser Pro His Ser Pro Gln Val Ala Gly Cys Asp Leu Thr Arg
 20 25 30
 Cys Glu Ser Gly Gly Ala Arg Ala Leu Ser Ile Gln Arg Ala Ala Leu
 35 40 45
 Val Val Leu Glu Asn Tyr Tyr Lys Asp Phe Thr Ile Tyr Asn Pro Asn
 50 55 60
 Leu Leu Thr Ala Ser Lys Phe Arg Ala Ala Lys His Met Ala Gly Leu
 65 70 75 80
 Lys Val Tyr Asn Val Asp Gly Pro Ser Asn Asn Ala Thr Gly Gln Ser
 85 90 95
 Arg Ala Met Ile Ala Ala Ala Ala Arg Arg Arg Asp Ser Ser His Asn
 100 105 110
 Glu Leu Tyr Tyr Glu Glu Ala Glu His Glu Arg Arg Val Lys Lys Arg
 115 120 125
 Lys Ala Arg Leu Val Val Ala Val Glu Glu Ala Phe Ile His Ile Gln
 130 135 140
 Arg Leu Gln Ala Glu Glu Gln Gln Lys Ala Pro Gly Glu Val Met Asp
 145 150 155 160
 Pro Arg Glu Ala Ala Gln Ala Ile Phe Pro Ser Met Ala Arg Ala Leu
 165 170 175
 Gln Lys Tyr Leu Arg Ile Thr Arg Gln Gln Asn Tyr His Ser Met Glu
 180 185 190
 Ser Ile Leu Gln His Leu Ala Phe Cys Ile Thr Asn Gly Met Thr Pro
 195 200 205
 Lys Ala Phe Leu Glu Arg Tyr Leu Ser Ala Gly Pro Thr Leu Gln Tyr

210 215 220
 Asp Lys Asp Arg Trp Leu Ser Thr Gln Trp Arg Leu Val Ser Asp Glu
 225 230 235 240
 Ala Val Thr Asn Gly Leu Arg Asp Gly Ile Val Phe Val Leu Lys Cys
 245 250 255
 Leu Asp Phe Ser Leu Val Val Asn Val Lys Lys Ile Pro Phe Ile Ile
 260 265 270
 Leu Ser Glu Glu Phe Ile Asp Pro Lys Ser His Lys Phe Val Leu Arg
 275 280 285
 Leu Gln Ser Glu Thr Ser Val
 290 295

 <210> 195
 <211> 295
 <212> PRT
 <213> Homo sapiens

 <400> 195
 Met Gly Leu Pro Val Ser Trp Ala Pro Pro Ala Leu Trp Val Leu Gly
 1 5 10 15
 Cys Cys Ala Leu Leu Ser Leu Trp Ala Leu Cys Thr Ala Cys Arg
 20 25 30
 Arg Pro Glu Asp Ala Val Ala Pro Arg Lys Arg Ala Arg Arg Gln Arg
 35 40 45
 Ala Arg Leu Gln Gly Ser Ala Thr Ala Ala Glu Ala Ser Leu Leu Arg
 50 55 60
 Arg Thr His Leu Cys Ser Leu Ser Lys Ser Asp Thr Arg Leu His Glu
 65 70 75 80
 Leu His Arg Gly Pro Arg Ser Ser Arg Ala Leu Arg Pro Ala Ser Met
 85 90 95
 Asp Leu Leu Arg Pro His Trp Leu Glu Val Ser Arg Asp Ile Thr Gly
 100 105 110
 Pro Gln Ala Ala Pro Ser Ala Phe Pro His Gln Glu Leu Pro Arg Ala
 115 120 125
 Leu Pro Ala Ala Ala Ala Thr Ala Gly Cys Ala Gly Leu Glu Ala Thr
 130 135 140
 Tyr Ser Asn Val Gly Leu Ala Ala Leu Pro Gly Val Ser Leu Ala Ala
 145 150 155 160
 Ser Pro Val Val Ala Glu Tyr Ala Arg Val Gln Lys Arg Lys Gly Thr
 165 170 175
 His Arg Ser Pro Gln Glu Pro Gln Gly Lys Thr Glu Val Thr Pro
 180 185 190
 Ala Ala Gln Val Asp Val Leu Tyr Ser Arg Val Cys Lys Pro Lys Arg
 195 200 205
 Arg Asp Pro Gly Pro Thr Thr Asp Pro Leu Asp Pro Lys Gly Gln Gly
 210 215 220

Ala Ile Leu Ala Leu Ala Gly Asp Leu Ala Tyr Gln Thr Leu Pro Leu
225 230 235 240

Arg Ala Leu Asp Val Asp Ser Gly Pro Leu Glu Asn Val Tyr Glu Ser
245 250 255

Ile Arg Glu Leu Gly Asp Pro Ala Gly Arg Ser Ser Thr Cys Gly Ala
260 265 270

Gly Thr Pro Pro Ala Ser Ser Cys Pro Ser Leu Gly Arg Gly Trp Arg
275 280 285

Pro Leu Pro Ala Ser Leu Pro
290 295

<210> 196

<211> 338

<212> PRT

<213> Homo sapiens

<400> 196

Met Met Arg Thr Cys Val Leu Leu Ser Ala Val Leu Trp Cys Leu Thr
1 5 10 15

Gly Val Gln Cys Pro Arg Phe Thr Leu Phe Asn Lys Lys Gly Phe Ile
20 25 30

Tyr Gly Lys Thr Gly Gln Pro Asp Lys Ile Tyr Val Glu Leu His Gln
35 40 45

Asn Ser Pro Val Leu Ile Cys Met Asp Phe Lys Leu Ser Lys Lys Glu
50 55 60

Ile Val Asp Pro Thr Tyr Leu Trp Ile Gly Pro Asn Glu Lys Thr Leu
65 70 75 80

Thr Gly Asn Asn Arg Ile Asn Ile Thr Glu Thr Gly Gln Leu Met Val
85 90 95

Lys Asp Phe Leu Glu Pro Leu Ser Gly Leu Tyr Thr Cys Thr Leu Ser
100 105 110

Tyr Lys Thr Val Lys Ala Glu Thr Gln Glu Glu Lys Thr Val Lys Lys
115 120 125

Arg Tyr Asp Phe Met Val Phe Ala Tyr Arg Glu Pro Asp Tyr Ser Tyr
130 135 140

Gln Met Ala Val Arg Phe Thr Thr Arg Ser Cys Ile Gly Arg Tyr Asn
145 150 155 160

Asp Val Phe Phe Arg Val Leu Lys Lys Ile Leu Asp Ile Leu Ile Ser
165 170 175

Asp Leu Ser Cys His Val Ile Glu Pro Ser Tyr Lys Cys His Ser Val
180 185 190

Glu Ile Pro Glu His Gly Leu Ile His Glu Leu Phe Ile Ala Phe Gln
195 200 205

Val Asn Pro Phe Ala Pro Gly Trp Lys Gly Ala Cys Asn Gly Ser Val
210 215 220

Asp Cys Glu Asp Thr Thr Asn His Asn Ile Leu Gln Ala Arg Asp Arg
 225 230 235 240
 Ile Glu Asp Phe Phe Arg Ser Gln Ala Tyr Ile Phe Tyr His Asn Phe
 245 250 255
 Asn Lys Thr Leu Pro Ala Met His Phe Val Asp His Ser Leu Gln Val
 260 265 270
 Val Arg Leu Asp Ser Cys Arg Pro Gly Phe Gly Lys Asn Glu Arg Leu
 275 280 285
 His Ser Asn Cys Ala Ser Cys Cys Val Val Cys Ser Pro Ala Thr Phe
 290 295 300
 Ser Pro Asp Val Asn Val Thr Cys Gln Thr Cys Val Ser Val Leu Thr
 305 310 315 320
 Tyr Gly Ala Lys Ser Cys Pro Gln Thr Ser Asn Lys Asn Gln Gln Tyr
 325 330 335
 Glu Asp

<210> 197
 <211> 78
 <212> PRT
 <213> Homo sapiens

<400> 197
 Met Gln Gln Arg Gly Ala Ala Gly Ser Arg Gly Cys Ala Leu Phe Pro
 1 5 10 15
 Leu Leu Gly Val Leu Phe Phe Gln Val Ser Ala Pro Ala Gly Tyr Ala
 20 25 30
 Pro Leu Pro Ala Gly Gly Leu Gly Lys Met Val Ala Phe Pro Val Pro
 35 40 45
 Gly Arg Gly Val Ser Arg Lys Pro Pro His Ser Ser Gly Lys Glu Gly
 50 55 60
 Gly Arg Glu Arg Asp Val Gly Thr Met Ser Ser Pro Pro Arg
 65 70 75

<210> 198
 <211> 181
 <212> PRT
 <213> Homo sapiens

<400> 198
 Met Met Leu Met Pro Tyr Gly Ala Leu Ile Ile Gly Phe Val Cys Gly
 1 5 10 15
 Ile Ile Ser Thr Leu Gly Phe Val Tyr Leu Thr Pro Phe Leu Glu Ser
 20 25 30
 Arg Leu His Ile Gln Asp Thr Cys Gly Ile Asn Asn Leu His Gly Ile
 35 40 45
 Pro Gly Ile Ile Gly Gly Ile Val Gly Ala Val Thr Ala Ala Ser Ala
 50 55 60

Ser Leu Glu Val Tyr Gly Lys Glu Gly Leu Val His Ser Phe Asp Phe
 65 70 75 80
 Gln Gly Phe Asn Gly Asp Trp Thr Ala Arg Thr Gln Gly Lys Phe Gln
 85 90 95
 Ile Tyr Gly Leu Leu Val Thr Leu Ala Met Ala Leu Met Gly Gly Ile
 100 105 110
 Ile Val Gly Leu Ile Leu Arg Leu Pro Phe Trp Gly Gln Pro Ser Asp
 115 120 125
 Glu Asn Cys Phe Glu Asp Ala Val Tyr Trp Glu Met Pro Glu Gly Asn
 130 135 140
 Ser Thr Val Tyr Ile Pro Glu Asp Pro Thr Phe Lys Pro Ser Gly Pro
 145 150 155 160
 Ser Val Pro Ser Val Pro Met Val Ser Pro Leu Pro Met Ala Ser Ser
 165 170 175
 Val Pro Leu Val Pro
 180

<210> 199
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 199
 Met Leu Ser Leu Asp Phe Leu Asp Asp Val Arg Arg Met Asn Lys Arg
 1 5 10 15
 Gln Val Ser Leu Ser Val Leu Phe Phe Ser Trp Leu Phe Leu Ser Leu
 20 25 30
 Arg Gly Cys Cys Gly Ala Arg Arg Thr Pro Gly Phe Trp Cys Glu
 35 40 45
 Gly Leu Ser Trp Ser Asp Thr Arg Val Ile Arg Phe Leu Trp Arg Leu
 50 55 60
 Trp Pro Glu Ala Ala Leu Ser Ala Ser Leu Phe Leu Thr Pro Asn
 65 70 75

<210> 200
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 200
 Met Glu Pro Arg Ser Phe Leu Leu Pro Glu Leu Gly Gly Arg Val Ser
 1 5 10 15
 His Ile Pro Leu Gly Leu Thr Leu Val Phe Ala Cys Phe Leu Met Val
 20 25 30
 Arg Glu Thr Ala Gly Gly Phe Ser Phe Arg Ala Gly Asp Leu Glu Glu
 35 40 45
 Ile Ser Arg Lys Arg Thr Asn Val Leu Gly Ser Leu Arg Gly Thr Glu

50 55 60
 Leu Ile Gly Tyr Ile
 65

 <210> 201
 <211> 271
 <212> PRT
 <213> Homo sapiens

 <400> 201
 Met Thr Gln Gly Lys Leu Ser Val Ala Asn Lys Ala Pro Gly Thr Glu
 1 5 10 15
 Gly Gln Gln Gln Val His Gly Glu Lys Lys Glu Ala Pro Ala Val Pro
 20 25 30
 Ser Ala Pro Pro Ser Tyr Glu Glu Ala Thr Ser Gly Glu Gly Met Lys
 35 40 45
 Ala Gly Ala Phe Pro Pro Ala Pro Thr Ala Val Pro Leu His Pro Ser
 50 55 60
 Trp Ala Tyr Val Asp Pro Ser Ser Ser Ser Ser Tyr Asp Asn Gly Phe
 65 70 75 80
 Pro Thr Gly Asp His Glu Leu Phe Thr Thr Phe Ser Trp Asp Asp Gln
 85 90 95
 Lys Val Arg Arg Val Phe Val Arg Lys Val Tyr Thr Ile Leu Leu Ile
 100 105 110
 Gln Leu Leu Val Thr Leu Ala Val Val Ala Leu Phe Thr Phe Cys Asp
 115 120 125
 Pro Val Lys Asp Tyr Val Gln Ala Asn Pro Gly Trp Tyr Trp Ala Ser
 130 135 140
 Tyr Ala Val Phe Phe Ala Thr Tyr Leu Thr Leu Ala Cys Cys Ser Gly
 145 150 155 160
 Pro Arg Arg His Phe Pro Trp Glu Pro Asp Ser Pro Asp Arg Leu Tyr
 165 170 175
 Pro Val His Gly Leu Pro His Trp Asp Ala Val Gln Leu Leu Gln His
 180 185 190
 His Leu Arg Ala Ala Val Pro Gly His His Gly Pro Cys Leu Pro Leu
 195 200 205
 Ser His Arg Leu Gln Leu Pro Asp Gln Val Arg Leu His Leu Leu Pro
 210 215 220
 Gly Arg Ala Leu Arg Ala Ser His Asp Ser Phe Leu Gln Arg Thr His
 225 230 235 240
 Pro Gly His Pro Pro Thr Leu Pro Ile Cys Ala Leu Ala Pro Cys Ser
 245 250 255
 Leu Cys Ser Thr Gly Ser Gly Cys Ile Tyr Ile Val Pro Gly Thr
 260 265 270

<210> 202
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 202
 Met Lys Cys Thr Ala Val Phe Ala Pro Ser Ala Trp Pro Asn Thr Leu
 1 5 10 15
 Ser Leu Leu Val Ser Leu His Thr Val Met Cys Ile Asn Trp His Leu
 20 25 30
 Val Ser Ala Ser His Met His Ile Gly Arg Ile Val Ile Leu Glu Gly
 35 40 45
 Asp Gly Met
 50

<210> 203
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 203
 Met Pro Asn Thr Phe His Thr Tyr Arg Pro Ile Leu Leu Leu Leu Leu
 1 5 10 15
 Leu Pro Ser Ser Ser His Gln Asn Met Ile Val Ser Leu Pro Gln Asn
 20 25 30
 Met Tyr Phe Leu Ile Ala Val Ala Lys Arg Leu Cys Ala Glu Ser Leu
 35 40 45
 Ala Ser Asp Pro Ala Pro Cys Asn Leu Ser Ala Leu Gln Ala Lys Pro
 50 55 60
 Arg Pro Arg Leu Arg His Tyr
 65 70

<210> 204
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 204
 Met Leu Tyr Trp Gly Asn Val Ala Leu Val Leu Pro Thr Pro Tyr Leu
 1 5 10 15
 His Leu Ser Leu Thr Leu Leu Leu Ser Pro Glu Trp Leu Gly Glu Met
 20 25 30
 Gly Arg Gly Leu Pro Trp Pro Gly His Leu Val Ala Ala Trp Leu Asp
 35 40 45
 His Ile Ala Asn Glu Leu Gly Arg Gly Ala Ile Phe
 50 55 60

<210> 205
 <211> 143
 <212> PRT

<213> Homo sapiens

<400> 205

Met Lys Trp Glu Arg Gly Ser Pro Met Val Leu Leu Ala Leu Val Tyr
 1 5 10 15
 Asp Val Cys Cys Ala Ser Arg Arg Gly Gly Gln Ser His Pro Thr Ser
 20 25 30
 Gly Ser Asp Val Leu Pro Leu Pro Val Pro Ala Leu Ala Gln Pro Ala
 35 40 45
 Gln Pro Ser Arg Leu Asp Ala Cys Ala Lys Ala Arg Gly Ser Gln Arg
 50 55 60
 Ala Ala Gly Trp Pro Arg Ala Gly Ser Arg Leu Gly Pro Ala Val Gly
 65 70 75 80
 Arg Ala Ala Ser Pro Ser Ser Leu Gln Thr His Gly Ser Ser Ser Gln
 85 90 95
 Ser Ser Arg Gln Leu Pro Gly Pro Glu Met Ser Ser Ser Pro Pro Trp
 100 105 110
 Gly Gln Ala Leu Pro Trp Pro Ser Val Asn Pro Ser Phe Leu Cys
 115 120 125
 Ala Val Ser Gly Leu Leu Thr Val Val Cys Val Cys Ala Arg Leu
 130 135 140

<210> 206

<211> 148

<212> PRT

<213> Homo sapiens

<400> 206

Met Gln Phe Ile Leu Thr Gly Ile Thr Leu Ser Gly Tyr Leu Phe Thr
 1 5 10 15
 Phe Ser Ala Cys Ala Val Leu Ser Ala Ser Ile Thr Val Trp Gly Leu
 20 25 30
 Met Glu Cys Leu Ile His Arg His Gly Ser His Thr Thr Glu His Leu
 35 40 45
 Thr Arg Thr Leu Thr Ser Gln Gln Ser Ser Arg Gly His Leu Ser Leu
 50 55 60
 Ser His Ser Thr Thr Gln Ser Asn Gln Pro Glu Arg Thr Leu Ala Leu
 65 70 75 80
 Leu Thr Gly Gly Thr Ala Asp Leu Ser Val Trp Arg Gln His Ser Pro
 85 90 95
 Lys Met Gly Ala Ile Phe Gln Asp Ala Val Phe Ala Leu Asp Ser Gln
 100 105 110
 Ala Tyr Leu Trp Gly Ile Val Ser Asn Arg Glu Asn Ile Trp Val Leu
 115 120 125
 Glu Gln Trp Pro Pro Pro Lys Gly Phe His Ser Cys Gln Glu Thr Pro
 130 135 140
 Gln Glu Ser His

145

<210> 207
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 207
 Met Trp Thr Cys Pro Gly Ile Ala Ala Leu Val Leu Met Ile Val Pro
 1 5 10 15
 Gly Cys Ser Leu Cys Pro Ala Gln Val Val His His Val Gly Gln Arg
 20 25 30
 Glu Ser Pro Ser
 35

<210> 208
 <211> 406
 <212> PRT
 <213> Homo sapiens

<400> 208
 Met Ser Gly Ala Pro Thr Ala Gly Ala Ala Leu Met Leu Cys Ala Ala
 1 5 10 15
 Thr Ala Val Leu Leu Ser Ala Gln Gly Gly Pro Val Gln Ser Lys Ser
 20 25 30
 Pro Arg Phe Ala Ser Trp Asp Glu Met Asn Val Leu Ala His Gly Leu
 35 40 45
 Leu Gln Leu Gly Gln Gly Leu Arg Glu His Ala Glu Arg Thr Arg Ser
 50 55 60
 Gln Leu Ser Ala Leu Glu Arg Arg Leu Ser Ala Cys Gly Ser Ala Cys
 65 70 75 80
 Gln Gly Thr Glu Gly Ser Thr Asp Leu Pro Leu Ala Pro Glu Ser Arg
 85 90 95
 Val Asp Pro Glu Val Leu His Ser Leu Gln Thr Gln Leu Lys Ala Gln
 100 105 110
 Asn Ser Arg Ile Gln Gln Leu Phe His Lys Val Ala Gln Gln Gln Arg
 115 120 125
 His Leu Glu Lys Gln His Leu Arg Ile Gln His Leu Gln Ser Gln Phe
 130 135 140
 Gly Leu Leu Asp His Lys His Leu Asp His Glu Val Ala Lys Pro Ala
 145 150 155 160
 Arg Arg Lys Arg Leu Pro Glu Met Ala Gln Pro Val Asp Pro Ala His
 165 170 175
 Asn Val Ser Arg Leu His Arg Leu Pro Arg Asp Cys Gln Glu Leu Phe
 180 185 190
 Gln Val Gly Glu Arg Gln Ser Gly Leu Phe Glu Ile Gln Pro Gln Gly
 195 200 205

Ser Pro Pro Phe Leu Val Asn Cys Lys Met Thr Ser Asp Gly Gly Trp
 210 215
 Thr Val Ile Gln Arg Arg His Asp Gly Ser Val Asp Phe Asn Arg Pro
 225 230 235 240
 Trp Glu Ala Tyr Lys Ala Gly Phe Gly Asp Pro His Gly Glu Phe Trp
 245 250 255
 Leu Gly Leu Glu Lys Val His Ser Ile Thr Gly Asp Arg Asn Ser Arg
 260 265 270
 Leu Ala Val Gln Leu Arg Asp Trp Asp Gly Asn Ala Glu Leu Leu Gln
 275 280 285
 Phe Ser Val His Leu Gly Gly Glu Asp Thr Ala Tyr Ser Leu Gln Leu
 290 295 300
 Thr Ala Pro Val Ala Gly Gln Leu Gly Ala Thr Thr Val Pro Pro Ser
 305 310 315 320
 Gly Leu Ser Val Pro Phe Ser Thr Trp Asp Gln Asp His Asp Leu Arg
 325 330 335
 Arg Asp Lys Asn Cys Ala Lys Ser Leu Ser Gly Gly Trp Trp Phe Gly
 340 345 350
 Thr Cys Ser His Ser Asn Leu Asn Gly Gln Tyr Phe Arg Ser Ile Pro
 355 360 365
 Gln Gln Arg Gln Lys Leu Lys Lys Gly Ile Phe Trp Lys Thr Trp Arg
 370 375 380
 Gly Arg Tyr Tyr Pro Leu Gln Ala Thr Thr Met Leu Ile Gln Pro Met
 385 390 395 400
 Ala Ala Glu Ala Ala Ser
 405

<210> 209
 <211> 91
 <212> PRT
 <213> Homo sapiens

<400> 209
 Met Glu Lys Thr Leu Phe Leu Tyr His Tyr Leu Pro Ala Met Thr Phe
 1 5 10 15
 Gln Ile Leu Leu Leu Pro Val Val Leu Gln His Ile Ser Asp His Leu
 20 25 30
 Cys Arg Ser Ser Gln Leu Gln Arg Ser Ile Phe Ser Ala Leu Val Val Ala
 35 40 45
 Trp Tyr Ser Ser Ala Cys His Val Ser Asn Thr Leu Arg Pro Leu Thr
 50 55 60
 Tyr Gly Asp Lys Ser Leu Ser Pro His Glu Leu Lys Ala Leu Arg Trp
 65 70 75 80
 Lys Asp Ser Trp Asp Ile Leu Ile Arg Lys His
 85 90

<210> 210
 <211> 101
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 210
 Met Leu Leu Phe Gly Leu Cys Trp Gly Pro Tyr Val Ala Thr Leu Leu
 1 5 10 15
 Leu Ser Val Leu Ala Tyr Xaa Gln Arg Pro Pro Leu Xaa Pro Gly Thr
 20 25 30
 Leu Leu Ser Leu Leu Ser Leu Gly Ser Ala Ser Ala Ala Val Pro
 35 40 45
 Val Ala Met Gly Leu Gly Asp Gln Arg Tyr Thr Ala Pro Trp Arg Ala
 50 55 60
 Ala Ala Gln Arg Cys Leu Gln Gly Leu Trp Gly Arg Ala Ser Arg Asp
 65 70 75 80
 Ser Pro Gly Pro Ser Ile Ala Tyr His Pro Ser Ser Gln Ser Ser Val
 85 90 95
 Asp Leu Asp Leu Asn
 100

<210> 211
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 211
 Met Ser Ala Gly Lys Trp Leu Leu Leu Val Ile Phe Arg Asp Leu Gly
 1 5 10 15
 Cys Gly Val Ser Arg Thr Ser Pro His Leu Arg Ser Gly Glu Gly
 20 25 30
 Arg Ile Trp Ser Leu Leu Thr Ala Cys Ser Cys Cys Leu Phe Val
 35 40 45
 Ile Phe
 50

<210> 212
 <211> 161
 <212> PRT
 <213> Homo sapiens
 <400> 212

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Met Thr Ser Ala Leu Arg Gly Val Ala Asp Gln Gly Gln His Pro
 1          5          10          15
Leu Leu Lys Met Leu Leu His Leu Leu Ala Phe Ser Ser Ala Ala Thr
          20          25          30
Gly His Leu Gln Ala Ser Val Leu Thr Gln Cys Leu Lys Val Leu Val
          35          40          45
Lys Leu Ala Glu Asn Thr Ser Cys Asp Phe Leu Pro Arg Phe Gln Cys
          50          55          60
Val Phe Gln Val Leu Pro Lys Cys Leu Ser Pro Glu Thr Pro Leu Pro
 65          70          75          80
Ser Val Leu Leu Ala Val Glu Leu Leu Ser Leu Leu Ala Asp His Asp
          85          90          95
Gln Leu Ala Pro Gln Leu Cys Ser His Ser Glu Gly Cys Leu Leu Leu
          100          105          110
Leu Leu Tyr Met Tyr Ile Thr Ser Arg Pro Asp Arg Val Ala Leu Glu
          115          120          125
Thr Gln Trp Leu Gln Leu Glu Gln Glu Val Val Trp Leu Leu Ala Lys
          130          135          140
Leu Gly Val Gln Glu Pro Leu Ala Pro Ser His Trp Leu Gln Leu Pro
          145          150          155          160
Val

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<210> 213
<211> 227
<212> PRT
<213> Homo sapiens

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<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
<221> SITE
<222> (170)
<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 213
Met Leu Gly Leu Leu Leu Cys Thr Pro Arg Ala Trp Leu Thr Leu
 1          5          10          15
Ser Gly Pro Val Cys Phe Gln Gly Arg Gly Pro Ser Glu Val Pro Gln
          20          25          30
Arg Pro Pro Gln Leu Trp Val Val Ser Ile Ser Val Leu Gln Gly Gln
          35          40          45
His Arg Gly Arg Ala Gly Pro Arg Asp Glu Gln Glu Arg Gly Arg Asp
          50          55          60
Gln His Xaa Leu Pro Ala His Gly Arg Leu His Leu Ser Pro Arg Pro
 65          70          75          80

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Glu Pro Gly Cys Arg Pro Ala Cys Ala Ala Pro Gly Gly Gln Pro Gly
 85 90 95
 Val Val Ser Gly Leu Pro Ala Leu Gly Gln Pro Arg Glu Ala Ser Ala
 100 105 110
 Pro Cys His Ile Ser Arg Leu Arg Thr Ala Ser Leu Ala Val Val Met
 115 120 125
 Gly Ala Glu Lys Gly Gly Ala Glu Met Arg Pro Trp Pro Ala Val Gln
 130 135 140
 Ala Pro Ala Pro Leu Pro Ser Val Gly Gly Thr Pro Ile Cys Ala Pro
 145 150 155 160
 Gly Cys Gly Ser Lys Asp Thr Val Pro Xaa Leu Gln Pro Ser Val Pro
 165 170 175
 Lys Gly Arg Ala Glu Ser Gly Phe Val Ser Ala Arg Phe Leu Cys Pro
 180 185 190
 His Pro Pro Arg Ser Leu Leu Cys Leu Gly Pro Gly Pro Ser Leu Ser
 195 200 205
 Gly Leu Pro Gly Pro Pro Ile Pro Ala Leu Leu Gln Gly Pro Leu Gly
 210 215 220
 Leu Gly Cys
 225

<210> 214
 <211> 351
 <212> PRT
 <213> Homo sapiens

<400> 214
 Met Leu Thr Leu Arg Ser Leu Leu Phe Trp Ser Leu Val Tyr Cys Tyr
 1 5 10 15
 Cys Gly Leu Cys Ala Ser Ile His Leu Leu Lys Leu Leu Trp Ser Leu
 20 25 30
 Gly Lys Gly Pro Ala Gln Thr Phe Arg Arg Pro Ala Arg Glu His Pro
 35 40 45
 Pro Ala Cys Leu Ser Asp Pro Ser Leu Gly Thr His Cys Tyr Val Arg
 50 55 60
 Ile Lys Asp Ser Gly Leu Arg Phe His Tyr Val Ala Ala Gly Glu Arg
 65 70 75 80
 Gly Lys Pro Leu Met Leu Leu Leu His Gly Phe Pro Glu Phe Trp Tyr
 85 90 95
 Ser Trp Arg Tyr Gln Leu Arg Glu Phe Lys Ser Glu Tyr Arg Val Val
 100 105 110
 Ala Leu Asp Leu Arg Gly Tyr Gly Glu Thr Asp Ala Pro Ile His Arg
 115 120 125
 Gln Asn Tyr Lys Leu Asp Cys Leu Ile Thr Asp Ile Lys Asp Ile Leu
 130 135 140
 Asp Ser Leu Gly Tyr Ser Lys Cys Val Leu Ile Gly His Asp Trp Gly

Cys Phe Lys Lys Ala Ser Pro Gln Val Ile Val Thr His Thr Lys Met
 35 40 45
 Arg Ile Ala Ala Ile Ile Cys Ser Tyr Trp Xaa Gly Xaa Ala Asn Leu
 50 55 60
 Gly Thr Arg Ile Lys Leu Gln Leu Asn Ser Ala Val Tyr Lys Ile Phe
 65 70 75 80
 Val Ser Leu Xaa Arg Lys Arg Lys Arg Thr Leu Ser Trp
 85 90

<210> 216
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 216
 Met Phe Gln Gln Gly Trp Ser Ser Pro Leu Leu Thr Pro Ala Phe Thr
 1 5 10 15
 Ile Leu Pro Met Ser Ser Leu Leu Thr Ser Leu His Pro Ala Pro Arg
 20 25 30
 Leu Pro Thr Leu Leu Ala Ala Ser Ser Pro Gln Leu Ala Pro Leu Thr
 35 40 45
 Cys Cys Phe Gln Tyr Pro Phe Leu Leu Ser Ala Ser Ser Leu Gly Asp
 50 55 60
 Ile His Pro Ser Ser Arg Asp Phe Ser Cys His Ile Asn Ser Asn Val
 65 70 75 80
 Ser Glu Leu Tyr Phe Leu Pro Pro Thr Ser Val Ser Leu Asn Val Arg
 85 90 95
 Ile Phe Tyr Phe Gln
 100

<210> 217
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 217
 Met Gly Trp Leu Gly Arg Thr Cys Leu Ala His Ser His Leu Asp Phe
 1 5 10 15
 Ile Ser Gly Ala Leu Leu Leu Thr Phe Ala Tyr Phe Leu Val Phe Gln
 20 25 30
 Val Cys Pro Val Ile Asn Lys Trp Leu Tyr Asn Leu Asp Gln His Val
 35 40 45
 Val Lys Glu Leu Ile Ser Lys Cys Trp Arg Trp Glu Gly Thr Gly Thr
 50 55 60
 Leu Gln Lys Lys Ala Gln Asn Pro Pro Ser Pro Phe Val Phe His Phe
 65 70 75 80
 Pro Leu Pro His Ser Gly Thr Ser Pro Arg Pro Lys Ile Ser Phe Leu

85

90

95

Leu Lys

<210> 218
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 218
 Met Trp Gly Gly Ser Val Phe Leu Lys Pro Lys Leu Leu Gln Ala Gly
 1 5 10 15
 Gly Phe Leu His Phe Leu Phe Val Leu Phe Leu Thr Ala Asp Ser Val
 20 25 30
 His Leu Ser Val Gly Gly Glu Leu Leu Leu Arg Thr Gly Phe Lys Arg
 35 40 45
 His Ile Pro Val Thr Phe Lys Asn Leu His Gly Gly Arg Ser Phe Ser
 50 55 60
 Arg Ser Val Gly Trp Ser Thr Leu Gly Pro Thr Thr Leu Arg Arg Gly
 65 70 75 80
 Arg

<210> 219
 <211> 188
 <212> PRT
 <213> Homo sapiens

<400> 219
 Met Phe His Gln Ile Trp Ala Ala Leu Leu Tyr Phe Tyr Gly Ile Ile
 1 5 10 15
 Leu Asn Ser Ile Tyr Gln Cys Pro Glu His Ser Gln Leu Thr Thr Leu
 20 25 30
 Gly Val Asp Gly Lys Glu Phe Pro Glu Val His Leu Gly Gln Trp Tyr
 35 40 45
 Phe Ile Ala Gly Ala Ala Pro Thr Lys Glu Glu Leu Ala Thr Phe Asp
 50 55 60
 Pro Val Asp Asn Ile Val Phe Asn Met Ala Ala Gly Ser Ala Pro Met
 65 70 75 80
 Gln Leu His Leu Arg Ala Thr Ile Arg Met Lys Asp Gly Leu Cys Val
 85 90 95
 Pro Arg Lys Trp Ile Tyr His Leu Thr Glu Gly Ser Thr Asp Leu Arg
 100 105 110
 Thr Glu Gly Arg Pro Asp Met Lys Thr Glu Leu Phe Ser Ser Ser Cys
 115 120 125
 Pro Gly Gly Ile Met Leu Asn Glu Thr Gly Gln Gly Tyr Gln Arg Phe
 130 135 140

Leu Leu Tyr Asn Arg Ser Pro His Pro Pro Glu Lys Cys Val Glu Glu
 145 150 155 160
 Phe Lys Ser Leu Thr Ser Cys Leu Asp Ser Lys Ala Phe Leu Leu Thr
 165 170 175
 Pro Arg Asn Gln Glu Ala Cys Glu Leu Ser Asn Asn
 180 185

<210> 220
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 220
 Met Gln Arg Thr Phe Lys Tyr Leu His Phe Tyr Ile Ile Arg Phe Val
 1 5 10 15
 Ser Thr Tyr Ala Phe Ile Val Phe Phe Pro Phe Ser Ser Ser His Val
 20 25 30
 Asn Gly Pro Cys Glu Lys Asn Ile Pro Leu Gly Lys
 35 40

<210> 221
 <211> 515
 <212> PRT
 <213> Homo sapiens

<400> 221
 Met Gly Ser Ala Pro Trp Ala Pro Val Leu Leu Ala Leu Gly Leu
 1 5 10 15
 Arg Gly Leu Gln Ala Gly Gly Glu Trp Arg Arg Pro Pro Ala His Ser
 20 25 30
 Pro Val Pro Ala Pro Pro Leu Arg Phe Ala Ser Pro His Ser Pro Gln
 35 40 45
 Ala Pro Asp Pro Gly Phe Gln Glu Arg Phe Phe Gln Arg Leu Asp
 50 55 60
 His Phe Asn Phe Glu Arg Phe Gly Asn Lys Thr Phe Pro Gln Arg Phe
 65 70 75 80
 Leu Val Ser Asp Arg Phe Trp Val Arg Gly Glu Gly Pro Ile Phe Phe
 85 90 95
 Tyr Thr Gly Asn Glu Gly Asp Val Trp Ala Phe Ala Asn Asn Ser Gly
 100 105 110
 Phe Val Ala Glu Leu Ala Ala Glu Arg Gly Ala Leu Leu Val Phe Ala
 115 120 125
 Glu His Arg Tyr Tyr Gly Lys Ser Leu Pro Phe Gly Ala Gln Ser Thr
 130 135 140
 Gln Arg Gly His Thr Glu Leu Leu Thr Val Glu Gln Ala Leu Ala Asp
 145 150 155 160
 Phe Ala Glu Leu Leu Arg Ala Leu Arg Arg Asp Leu Gly Ala Gln Asp
 165 170 175

Ala Pro Ala Ile Ala Phe Gly Gly Ser Tyr Gly Gly Met Leu Ser Ala
 180 185
 Tyr Leu Arg Met Lys Tyr Pro His Leu Val Ala Gly Ala Leu Ala Ala
 195 200
 Ser Ala Pro Val Leu Ala Val Ala Gly Leu Gly Asp Ser Asn Gln Phe
 210 215
 Phe Arg Asp Val Thr Ala Asp Phe Glu Gly Gln Ser Pro Lys Cys Thr
 225 230 235 240
 Gln Gly Val Arg Glu Ala Phe Arg Gln Ile Lys Asp Leu Phe Leu Gln
 245 250 255
 Gly Ala Tyr Asp Thr Val Arg Trp Glu Phe Gly Thr Cys Gln Pro Leu
 260 265 270
 Ser Asp Glu Lys Asp Leu Thr Gln Leu Phe Met Phe Ala Arg Asn Ala
 275 280 285
 Phe Thr Val Leu Ala Met Met Asp Tyr Pro Tyr Pro Thr Asp Phe Leu
 290 295 300
 Gly Pro Leu Pro Ala Asn Pro Val Lys Val Gly Cys Asp Arg Leu Leu
 305 310 315 320
 Ser Glu Ala Gln Arg Ile Thr Gly Leu Arg Ala Leu Ala Gly Leu Val
 325 330 335
 Tyr Asn Ala Ser Gly Ser Glu His Cys Tyr Asp Ile Tyr Arg Leu Tyr
 340 345 350
 His Ser Cys Ala Asp Pro Thr Gly Cys Gly Thr Gly Pro Asp Ala Arg
 355 360 365
 Ala Trp Asp Tyr Gln Ala Cys Thr Glu Ile Asn Leu Thr Phe Ala Ser
 370 375 380
 Asn Asn Val Thr Asp Met Phe Pro Asp Leu Pro Phe Thr Asp Glu Leu
 385 390 395 400
 Arg Gln Arg Tyr Cys Leu Asp Thr Trp Gly Val Trp Pro Arg Pro Asp
 405 410 415
 Trp Leu Leu Thr Ser Phe Trp Gly Gly Asp Leu Arg Ala Ala Ser Asn
 420 425 430
 Ile Ile Phe Ser Asn Gly Asn Leu Asp Pro Trp Ala Gly Gly Ile
 435 440 445
 Arg Arg Asn Leu Ser Ala Ser Val Ile Ala Val Thr Ile Gln Gly Gly
 450 455 460
 Ala His His Leu Asp Leu Arg Ala Ser His Pro Glu Asp Pro Ala Ser
 465 470 475 480
 Val Val Glu Ala Arg Lys Leu Glu Ala Thr Ile Ile Gly Glu Trp Val
 485 490 495
 Lys Ala Ala Arg Arg Glu Gln Gln Pro Ala Leu Arg Gly Gly Pro Arg
 500 505 510
 Leu Ser Leu
 515

<210> 222
 <211> 522
 <212> PRT
 <213> Homo sapiens

<400> 222

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Met Ala Ala Ala Met Pro Leu Ala Leu Leu Val Leu Leu Leu Leu Gly
 1          5          10          15

Pro Gly Gly Trp Cys Leu Ala Glu Pro Pro Arg Asp Ser Leu Arg Glu
          20          25          30

Glu Leu Val Ile Thr Pro Leu Pro Ser Gly Asp Val Ala Ala Thr Phe
          35          40          45

Gln Phe Arg Thr Arg Trp Asp Ser Glu Leu Gln Arg Glu Gly Val Ser
 50          55          60

His Tyr Arg Leu Phe Pro Lys Ala Leu Gly Gln Leu Ile Ser Lys Tyr
 65          70          75          80

Ser Leu Arg Glu Leu His Leu Ser Phe Thr Gln Gly Phe Trp Arg Thr
          85          90          95

Arg Tyr Trp Gly Pro Pro Phe Leu Gln Ala Pro Ser Asp Thr Asp His
          100          105          110

Tyr Phe Leu Arg Tyr Ala Val Leu Pro Arg Glu Val Val Cys Thr Glu
          115          120          125

Asn Leu Thr Pro Trp Lys Lys Leu Leu Pro Cys Ser Ser Lys Ala Gly
          130          135          140

Leu Ser Val Leu Leu Lys Ala Asp Arg Leu Phe His Thr Ser Tyr His
          145          150          155          160

Ser Gln Ala Val His Ile Arg Pro Val Cys Arg Asn Ala Arg Cys Thr
          165          170          175

Ser Ile Ser Trp Glu Leu Arg Gln Thr Leu Ser Val Val Phe Asp Ala
          180          185          190

Phe Ile Thr Gly Gln Gly Lys Lys Asp Trp Ser Leu Phe Arg Met Phe
          195          200          205

Ser Arg Thr Leu Thr Glu Pro Cys Pro Leu Ala Ser Glu Ser Arg Val
          210          215          220

Tyr Val Asp Ile Thr Thr Tyr Asn Gln Asp Asn Glu Thr Leu Glu Val
          225          230          235          240

His Pro Pro Pro Thr Thr Thr Tyr Gln Asp Val Ile Leu Gly Thr Arg
          245          250          255

Lys Thr Tyr Ala Ile Tyr Asp Leu Leu Asp Thr Ala Met Ile Asn Asn
          260          265          270

Ser Arg Asn Leu Asn Ile Gln Leu Lys Trp Lys Arg Pro Pro Glu Asn
          275          280          285

Glu Ala Pro Pro Val Pro Phe Leu His Ala Gln Arg Tyr Val Ser Gly
          290          295          300

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Tyr Gly Leu Gln Lys Gly Glu Leu Ser Thr Leu Leu Tyr Asn Thr His
 305 310 315
 Pro Tyr Arg Ala Phe Pro Val Leu Leu Leu Asp Thr Val Pro Trp Tyr
 325 330 335
 Leu Arg Leu Tyr Val His Thr Leu Thr Ile Thr Ser Lys Gly Lys Glu
 340 345 350
 Asn Lys Pro Ser Tyr Ile His Tyr Gln Pro Ala Gln Asp Arg Leu Gln
 355 360 365
 Pro His Leu Leu Glu Met Leu Ile Gln Leu Pro Ala Asn Ser Val Thr
 370 375 380
 Lys Val Ser Ile Gln Phe Glu Arg Ala Leu Leu Lys Trp Thr Glu Tyr
 385 390 395 400
 Thr Pro Asp Pro Asn His Gly Phe Tyr Val Ser Pro Ser Val Leu Ser
 405 410 415
 Ala Leu Val Pro Ser Met Val Ala Ala Lys Pro Val Asp Trp Glu Glu
 420 425 430
 Ser Pro Leu Phe Asn Ser Leu Phe Pro Val Ser Asp Gly Ser Asn Tyr
 435 440 445
 Phe Val Arg Leu Tyr Thr Glu Pro Leu Leu Val Asn Leu Pro Thr Pro
 450 455 460
 Asp Phe Ser Met Pro Tyr Asn Val Ile Cys Leu Thr Cys Thr Val Val
 465 470 475 480
 Ala Val Cys Tyr Gly Ser Phe Tyr Asn Leu Leu Thr Arg Thr Phe His
 485 490 495
 Ile Glu Glu Pro Arg Thr Gly Gly Leu Ala Lys Arg Leu Ala Asn Leu
 500 505 510
 Ile Arg Arg Ala Arg Gly Val Pro Pro Leu
 515 520

<210> 223
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 223
 Met Lys Ser His Ile Ser Trp Arg Leu Cys Ser Leu Leu Leu Ile Leu
 1 5 10 15
 Phe Ser Leu Ile Leu Ser Ala Cys Phe Ile Ser Ala Arg Trp Ser Ser
 20 25 30
 Asn Ser Asp Ile Phe Phe Ser Ala Trp Ser Ile Gln Leu Leu Ile Leu
 35 40 45
 Val Tyr Ala Ser
 50

<210> 224
 <211> 73

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 224
Met Gly Phe Trp Cys Gly Cys Pro Phe Cys Leu Leu Val Phe Leu Leu
1 5 10 15
Thr Val Arg Thr Arg Ser Phe Xaa Ser Val Gly Val Cys Trp Arg Ser
20 25 30
Thr Pro Asp Pro Leu Cys Leu Gly Ile Ser Ser Arg Ser Cys Arg Thr
35 40 45
Ala Asp Ile Gly Glu Gln Gln Met Leu Leu Pro Asp Arg Ser Ser Gly
50 55 60
Ser Phe Val Ser Glu Tyr Pro Ala Met
65 70

<210> 225
<211> 54
<212> PRT
<213> Homo sapiens

<400> 225
Met Tyr Arg Phe Phe Leu Cys Val Asp Leu Ser Phe Gln Leu Leu Trp
1 5 10 15
Val Ile Pro Arg Ser Thr Val Thr Gly Thr Tyr Gly Lys Asp Ile Phe
20 25 30
Ser Leu Ala Gly Asn His His Thr Val Phe Gln Ser Ser Cys Thr Ile
35 40 45
Leu His Thr His Gln His
50

<210> 226
<211> 72
<212> PRT
<213> Homo sapiens

<400> 226
Met Ala Thr Ile Leu Leu Lys Leu Pro Ile Leu Ser Ala Met Ile Lys
1 5 10 15
Lys Pro Leu Arg Asn Tyr Leu Lys Thr Ser Glu Thr Thr Met Glu Lys
20 25 30
Ile Ile Ile Gln Lys Leu Val Ala Asn Leu Lys Phe Leu Pro Leu Gly
35 40 45
Thr Leu Gln Leu Ala Met Met Ile Ala Asn Leu Ile Lys Lys Leu Phe
50 55 60
Phe Pro Leu Val Lys Ala Ala Lys
65 70

<210> 227
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 227
 Met Tyr Leu Ala Val Tyr Leu Leu Leu Phe Leu Cys Ile Cys Phe Tyr
 1 5 10 15
 Phe Ile Ala Leu Phe Ser His Ala Leu Val Pro His Cys Phe Asn Tyr
 20 25 30
 Pro Gly Phe Ser Phe Asn Leu Val His Trp Ser Ser Leu Ile Pro Pro
 35 40 45
 Leu Pro Thr Phe Phe Phe Phe Asn Ser Phe Ser Asn Cys Ser Tyr Phe
 50 55 60
 Ser Ile
 65

<210> 228
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 228
 Met Ala Lys Thr Asp Phe Ser Ile Ile Leu Leu Lys Leu His Cys Leu
 1 5 10 15
 Phe Phe Phe Ser Val Ile Ser Val His Cys Ala Gln Ser Phe Ile Ser
 20 25 30
 Val Thr Gln Thr Glu Pro Ser Pro Ala Val Cys Ile Phe Pro Ala Val
 35 40 45
 Gly Ser Gly Leu Gly Pro Cys Asp
 50 55

<210> 229
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 229
 Met Ala Gly Pro Trp Thr Phe Thr Leu Leu Cys Gly Leu Leu Ala Ala
 1 5 10 15
 Thr Leu Ile Gln Ala Thr Leu Ser Pro Thr Ala Val Leu Ile Leu Gly
 20 25 30
 Pro Lys Val Ile Lys Glu Lys Leu Thr Gln Glu Leu Lys Asp His Asn
 35 40 45
 Ala Thr Ser Ile Leu Gln Gln Leu Pro Leu Leu Ser Ala Met Arg Glu
 50 55 60
 Lys Pro Ala Gly Ala Ser Leu Cys Trp Ala Ala Trp
 65 70 75

<210> 230
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 230
 Met Asp Leu Tyr Phe Phe Leu Leu Ala Gly Ile Gln Ala Val Thr Ala
 1 5 10 15
 Leu Leu Phe Val Trp Ile Ala Gly Arg Tyr Glu Arg Ala Ser Gln Gly
 20 25 30
 Pro Ala Ser His Ser Arg Phe Ser Arg Asp Arg Gly
 35 40

<210> 231
 <211> 101
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>
 <221> SITE
 <222> (98)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 231
 Met Ser Trp Val Gln Ala Thr Leu Leu Ala Arg Gly Leu Cys Arg Ala
 1 5 10 15
 Trp Gly Gly Thr Cys Gly Ala Ala Leu Thr Gly Thr Ser Ile Ser Gln
 20 25 30
 Val Pro Arg Arg Leu Pro Arg Gly Leu His Cys Ser Ala Leu Xaa Ile
 35 40 45
 Ala Leu Asn Ser Pro Trp Phe Pro Ala His Arg Asn Pro Gly Arg Gly
 50 55 60
 Pro Pro Arg Leu Trp Cys Pro Leu Arg Thr Cys Leu Gly Arg Arg Leu
 65 70 75 80
 Val Gly Asn Gly Thr Arg Arg Ala Ser Cys Arg Arg Cys Arg Asn Leu
 85 90 95
 Arg Xaa Gln Arg Ala
 100

<210> 232
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 232
 Met Thr Tyr Phe Ser Gly Leu Leu Val Ile Leu Ala Phe Ala Ala Trp

1 5 10 15
 Val Ala Leu Ala Glu Gly Leu Gly Val Ala Val Tyr Ala Ala Val
 20 25 30
 Leu Leu Gly Ala Gly Cys Ala Thr Ile Leu Val Thr Ser Leu Ala Met
 35 40 45
 Thr Ala Asp Leu Ile Gly Pro His Thr Asn Ser Gly Ala Phe Val Tyr
 50 55 60
 Gly Ser Met Ser Phe Leu Asp Lys Val Ala Asn Gly Leu Ala Val Met
 65 70 75 80
 Ala Ile Gln Ser Leu His Pro Cys Pro Ser Glu Leu Cys Cys Arg Ala
 85 90
 Cys Val Ser Phe Tyr His Trp Ala Met Val Ala Val Thr Gly Gly Val
 100 105 110
 Gly Val Ala Ala Ala Leu Cys Leu Cys Ser Leu Leu Leu Trp Pro Thr
 115 120 125
 Arg Leu Arg Arg
 130

<210> 233
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 233
 Met Thr Tyr Phe Ser Gly Leu Leu Val Ile Leu Ala Phe Ala Ala Trp
 1 5 10 15
 Val Ala Leu Ala Glu Gly Leu Gly Val Ala Val Tyr Ala Ala Val
 20 25 30
 Leu Leu Gly Ala Gly Cys Ala Thr Ile Leu Val Thr Ser Leu Ala Met
 35 40 45
 Thr Ala Asp Leu Ile Gly Pro His Thr Asn Ser Gly Leu Ser Cys Thr
 50 55 60
 Ala Pro
 65

<210> 234
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 234
 Met Pro Trp Lys Arg Ala Val Val Leu Leu Met Leu Trp Phe Ile Gly
 1 5 10 15
 Gln Ala Met Trp Leu Ala Pro Ala Tyr Val Leu Glu Phe Gln Gly Lys
 20 25 30
 Asn Thr Phe Leu Phe Ile Trp Leu Ala Gly Leu Phe Phe Leu Leu Ile
 35 40 45

Asn Cys Ser Ile Leu Ile Gln Ile Ile Ser His Tyr Lys Glu Glu Pro
50 55 60

Leu Thr Glu Arg Ile Lys Tyr Asp
65 70

<210> 235

<211> 293

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 235

Met Leu Ala Leu Thr Phe Met Phe Met Val Leu Glu Val Val Val Ser
1 5 10 15

Arg Val Thr Ser Ser Leu Ala Met Leu Ser Asp Ser Phe His Met Leu
20 25 30

Ser Asp Val Leu Ala Leu Val Val Ala Leu Val Ala Glu Arg Phe Ala
35 40 45

Arg Arg Thr His Ala Thr Gln Lys Asn Thr Phe Gly Trp Ile Arg Ala
50 55 60

Glu Val Met Gly Ala Leu Val Asn Ala Ile Phe Leu Thr Gly Leu Cys
65 70 75 80

Phe Ala Ile Leu Leu Glu Ala Ile Glu Arg Phe Ile Glu Pro His Glu
85 90 95

Met Gln Gln Pro Leu Val Val Leu Gly Val Gly Val Ala Gly Leu Leu
100 105 110

Val Asn Val Leu Gly Leu Cys Leu Phe His His His Ser Gly Phe Ser
115 120 125

Gln Asp Ser Gly His Xaa His Ser His Gly Gly His Gly His Gly His
130 135 140

Gly Leu Pro Lys Gly Pro Arg Val Lys Ser Thr Arg Pro Gly Ser Ser
145 150 155 160

Asp Ile Asn Val Ala Pro Gly Glu Gln Gly Pro Asp Gln Glu Thr
165 170 175

Asn Thr Leu Val Ala Asn Thr Ser Asn Ser Asn Gly Leu Lys Leu Asp
180 185 190

Pro Ala Asp Pro Glu Asn Pro Arg Ser Gly Asp Thr Val Glu Val Gln
195 200 205

Val Asn Gly Asn Leu Val Arg Glu Pro Asp His Met Glu Leu Glu Glu
210 215 220

Asp Arg Ala Gly Gln Leu Asn Met Arg Gly Val Phe Leu His Val Leu
225 230 235 240

Gly Asp Ala Leu Gly Ser Val Ile Val Val Val Asn Ala Leu Val Phe
245 250 255

Tyr Phe Ser Trp Lys Gly Cys Ser Glu Gly Asp Phe Cys Val Asn Pro
 260 265 270

Cys Phe Pro Asp Pro Cys Lys Ala Phe Val Glu Ile Leu Ile Val Leu
 275 280 285

Met His Gln Phe Met
 290

<210> 236
 <211> 550
 <212> PRT
 <213> Homo sapiens

<400> 236
 Met Lys Arg Ala Ser Ala Gly Gly Ser Arg Leu Leu Ala Trp Val Leu
 1 5 10 15

Trp Leu Gln Ala Trp Gln Val Ala Ala Pro Cys Pro Gly Ala Cys Val
 20 25 30

Cys Tyr Asn Glu Pro Lys Val Thr Ser Cys Pro Gln Gln Gly Leu
 35 40 45

Gln Ala Val Pro Val Gly Ile Pro Ala Ala Ser Gln Arg Ile Phe Leu
 50 55 60

His Gly Asn Arg Ile Ser His Val Pro Ala Ala Ser Phe Arg Ala Cys
 65 70 75 80

Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Val Leu Ala Arg Ile
 85 90 95

Asp Ala Ala Ala Phe Thr Gly Leu Ala Leu Leu Glu Gln Leu Asp Leu
 100 105 110

Ser Asp Asn Ala Gln Leu Arg Ser Val Asp Pro Ala Thr Phe His Gly
 115 120 125

Leu Gly Arg Leu His Thr Leu His Leu Asp Arg Cys Gly Leu Gln Glu
 130 135 140

Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala Ala Leu Gln Tyr Leu Tyr
 145 150 155 160

Leu Gln Asp Asn Ala Leu Gln Ala Leu Pro Asp Asp Thr Phe Arg Asp
 165 170 175

Leu Gly Asn Leu Thr His Leu Phe Leu His Gly Asn Arg Ile Ser Ser
 180 185 190

Val Pro Glu Arg Ala Phe Arg Gly Leu His Ser Leu Asp Arg Leu Leu
 195 200 205

Leu His Gln Asn Arg Val Ala His Val His Pro His Ala Phe Arg Asp
 210 215 220

Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Ala
 225 230 235 240

Leu Pro Thr Glu Ala Leu Ala Pro Leu Arg Ala Leu Gln Tyr Leu Arg
 245 250 255

Leu Asn Asp Asn Pro Trp Val Cys Asp Cys Arg Ala Arg Pro Leu Trp
 260 265 270
 Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser Ser Glu Val Pro Cys Ser
 275 280 285
 Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu Lys Arg Leu Ala Ala Asn
 290 295 300
 Asp Leu Gln Gly Cys Ala Val Ala Thr Gly Pro Tyr His Pro Ile Trp
 305 310 315 320
 Thr Gly Arg Ala Thr Asp Glu Glu Pro Leu Gly Leu Pro Lys Cys Cys
 325 330 335
 Gln Pro Asp Ala Ala Asp Lys Ala Ser Val Leu Glu Pro Gly Arg Pro
 340 345 350
 Ala Ser Ala Gly Asn Ala Leu Lys Gly Arg Val Pro Gly Asp Ser
 355 360 365
 Pro Pro Gly Asn Gly Phe Trp Pro Lys Gly Thr Leu Met Thr Tyr Pro
 370 375 380
 Phe Gly Thr Leu Pro Gly Leu Ala Glu Pro Pro Val Ser Ala Leu Arg
 385 390 395 400
 Pro Glu Gly Ser Glu Pro Pro Gly Ser Pro Leu Arg Ala Leu Arg Arg
 405 410 415
 Arg Pro Gly Cys Ser Arg Lys Asn Arg Thr Arg Ser His Ala Val Trp
 420 425 430
 Ala Arg Gln Ala Ala Gly Val Ala Gly Leu Val Thr Gln Lys Ala Gln
 435 440 445
 Val Pro Tyr Pro Ala Ser Pro Ala Ala Ser Pro Pro Trp Ala Trp Arg
 450 455 460
 Trp Cys Cys Gly Gln Cys Leu Gly Pro Ala Asp Pro Gln Arg Thr Gln
 465 470 475 480
 Glu Arg Ala Gln Gln Pro Gly Val Cys Thr Tyr Gly Val Ser Leu His
 485 490 495
 Ala Ala Lys Pro Ala Gly Arg Pro Thr Arg Gly Ala Gly Gln Ala Arg
 500 505 510
 Ser Ser Leu Met Asp Ala Cys Arg Pro Pro Pro Pro Ser Pro Pro His
 515 520 525
 His Val Tyr Arg Val Arg Arg Gln Arg Leu Phe Gln Asn Ala Ala Ser
 530 535 540
 His Pro Asp Arg Gly Ile
 545 550

<210> 237

<211> 380

<212> PRT

<213> Homo sapiens

<400> 237

Met Lys Arg Ala Ser Ala Gly Gly Ser Arg Leu Leu Ala Trp Val Leu

1	5	10	15
Trp Leu Gln Ala	Trp Gln Val Ala	Ala Pro Cys Pro Gly	Ala Cys Val
20		25	30
Cys Tyr Asn Glu	Pro Lys Val Thr	Thr Ser Cys Pro Gln	Gln Gly Leu
35	40	45	
Gln Ala Val Pro	Val Gly Ile	Pro Ala Ala Ser	Gln Arg Ile Phe Leu
50	55	60	
His Gly Asn Arg	Ile Ser His Val	Pro Ala Ala Ser	Phe Arg Ala Cys
65	70	75	80
Arg Asn Leu Thr	Ile Leu Trp Leu	His Ser Asn Val	Leu Ala Arg Ile
85	90	95	
Asp Ala Ala Ala	Phe Thr Gly Leu	Ala Leu Leu Glu	Gln Leu Asp Leu
100	105	110	
Ser Asp Asn Ala	Gln Leu Arg Ser	Val Asp Pro Ala	Thr Phe His Gly
115	120	125	
Leu Gly Arg Leu	His Thr Val His	Leu Asp Arg Cys	Gly Leu Gln Glu
130	135	140	
Leu Gly Pro Gly	Leu Phe Arg Gly	Leu Ala Leu Gln	Tyr Leu Tyr
145	150	155	160
Leu Gln Asp Asn	Ala Leu Gln Ala	Leu Pro Asp Asp	Thr Phe Arg Asp
165	170	175	
Leu Gly Asn Leu	Thr His Leu Phe	Leu His Gly Asn	Arg Ile Ser Ser
180	185	190	
Val Pro Glu Arg	Ala Phe Arg Gly	Leu His Ser Leu	Asp Arg Leu Leu
195	200	205	
Leu His Gln Asn	Arg Val Ala His	Val His Pro His	Ala Phe Arg Asp
210	215	220	
Leu Gly Arg Leu	Met Thr Leu Tyr	Leu Phe Ala Asn	Asn Leu Ser Ala
225	230	235	240
Leu Pro Thr Glu	Ala Leu Ala Pro	Leu Arg Ala Leu	Gln Tyr Leu Arg
245	250	255	
Leu Asn Asp Asn	Pro Trp Val Cys	Asp Cys Arg Ala	Arg Pro Leu Trp
260	265	270	
Ala Trp Leu Gln	Lys Phe Arg Gly	Ser Ser Ser Glu	Val Pro Cys Ser
275	280	285	
Leu Pro Gln Arg	Leu Ala Gly Arg	Asp Leu Lys Arg	Leu Ala Ala Asn
290	295	300	
Asp Leu Gln Gly	Cys Ala Val Ala	Thr Gly Pro Tyr	His Pro Ile Trp
305	310	315	320
Thr Gly Arg Ala	Thr Asp Glu Glu	Pro Leu Gly Leu	Pro Lys Cys Cys
325	330	335	
Gln Pro Asp Ala	Ala Asp Lys Ala	Ser Val Leu Glu	Pro Gly Arg Pro
340	345	350	
Ala Ser Ala Gly	Asn Ala Leu Lys	Gly Pro Arg Ala	Gly Arg Gly Gln

355

360

365

Ala Arg Arg Glu Thr Val Phe Gly Pro Arg Glu His
 370 375 380

<210> 238

<211> 54

<212> PRT

<213> Homo sapiens

<400> 238

Met Lys Thr His Leu Leu Met Phe Leu Leu Ser Cys Met Ala Arg Cys
 1 5 10 15

Thr Gly Ile Val Pro Lys Arg Pro Gln Pro Ala Phe Pro Leu Arg Gly
 20 25 30

Arg Arg Arg Lys Asn Ser Phe Leu Phe Leu Leu Ser Phe Ser Ile Glu
 35 40 45

Phe Leu Leu Cys Val Trp
 50

<210> 239

<211> 47

<212> PRT

<213> Homo sapiens

<400> 239

Met Lys Thr His Leu Leu Met Phe Leu Leu Ser Cys Met Ala Arg Cys
 1 5 10 15

Thr Gly Ile Val Pro Lys Arg Pro Gln Pro Ala Phe Pro Leu Arg Gly
 20 25 30

Lys Glu Lys Lys Lys Leu Leu Phe Ile Phe Thr Phe Phe Gln His
 35 40 45

<210> 240

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 240

Met Cys Lys Ala Val Cys Lys His Arg Leu Arg Leu Phe Ala Val Ser
 1 5 10 15

Ser Phe Ser Leu Gly Leu Gly Trp Val Cys Val Leu Val Leu Met Leu
 20 25 30

Trp Pro Val Arg Leu Ser Leu Ala Xaa Arg Pro Val Gln Leu Gln Gln
 35 40 45

Arg Arg Ser His Cys
 50

<210> 241
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 241
 Met Ser Arg Lys Ser Leu Ala Phe Pro Ile Ile Cys Ser Tyr Leu Cys
 1 5 10 15
 Phe Leu Thr Val Ala Thr Cys Ser Ile Ala Cys Thr Thr Val Phe Phe
 20 25 30
 Ala Asn Leu Arg His Thr Arg Tyr Ile Cys Ile Glu Leu Ser Ala Leu
 35 40 45
 Glu Thr Ser Gly Val Ile Ser Pro Gln Ile Asn Asn Val Pro Glu Val
 50 55 60
 His Gly Lys Tyr Ser
 65

<210> 242
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 242
 Met Lys Pro Thr Arg Ser Leu Trp Ile Ser Phe Leu Met Cys Cys Trp
 1 5 10 15
 Ile Trp Phe Ala Asn Ile Leu Leu Arg Ile Phe Ala Ser Val Phe Phe
 20 25 30
 Arg Asp Ile Gly Leu Lys Phe Ser Phe Phe Cys Cys Val Ser Ala Arg
 35 40 45
 Leu Trp Tyr Gln Asp Asp Ala Gly Leu Ile Asn Glu Leu Gly Arg Ile
 50 55 60
 Pro Ser Phe Tyr
 65

<210> 243
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 243
 Met Gly Glu Ala Ser Pro Pro Ala Pro Ala Arg Arg His Leu Leu Val
 1 5 10 15
 Leu Leu Leu Leu Leu Ser Thr Leu Val Ile Pro Ser Ala Ala Ala Pro
 20 25 30
 Ile His Asp Ala Asp Ala Gln Glu Ser Ser Leu Gly Leu Thr Gly Leu
 35 40 45
 Gln Ser Leu Leu Gln Gly Phe Ser Arg Leu Phe Leu Lys Val Thr Cys
 50 55 60

Phe Gly Ala
65

<210> 244
<211> 90
<212> PRT
<213> Homo sapiens

<400> 244
Met Leu Val Val Ser Thr Val Ile Ile Val Phe Trp Glu Phe Ile Asn
1 5 10 15
Ser Thr Glu Gly Ser Phe Leu Trp Ile Tyr His Ser Lys Asn Pro Glu
20 25 30
Val Asp Asp Ser Ser Ala Gln Lys Gly Trp Trp Phe Leu Ser Trp Phe
35 40 45
Asn Asn Gly Ile His Asn Tyr Gln Gln Gly Glu Glu Asp Ile Asp Lys
50 55 60
Glu Lys Gly Arg Glu Glu Thr Lys Gly Arg Lys Met Thr Gln Gln Ser
65 70 75 80
Phe Gly Tyr Gly Thr Gly Leu Ile Gln Thr
85 90

<210> 245
<211> 140
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 245
Met Ala Phe Lys Leu Leu Ile Leu Leu Ile Gly Thr Trp Ala Leu Phe
1 5 10 15
Phe Arg Lys Arg Arg Ala Asp Met Pro Arg Val Phe Val Phe Arg Ala
20 25 30
Leu Leu Leu Val Leu Ile Phe Leu Phe Cys Gly Phe Pro Ile Gly Phe
35 40 45
Phe Thr Gly Ser Ala Phe Trp Thr Leu Gly Asn Arg Asn Tyr Gln Gly
50 55 60
Ile Val Gln Tyr Ala Val Ser Pro Cys Gly Met Pro Ser Ser Phe His
65 70 75 80
Pro Leu Leu Ala Ile Arg Pro Cys Trp Ser Ser Gly Ser Leu Gln Pro
85 90 95
Asn Val Pro Arg Cys Arg Leu Val Pro Leu Pro Thr Glu Trp Gly Asn
100 105 110
Pro Arg Phe Gln Xaa Gly Thr Pro Glu Tyr Pro Ala Ser Ser Ile Gly
115 120 125

Gly Pro Arg Lys Leu Leu Gln Arg Phe His His Leu
 130 135 140

<210> 246

<211> 37

<212> PRT

<213> Homo sapiens

<400> 246

Met Gly Leu Pro Val Ser Trp Ala Pro Pro Ala Leu Trp Val Leu Gly
 1 5 10 15

Cys Cys Ala Leu Leu Leu Ser Leu Trp Ala Leu Cys Thr Ala Cys Arg
 20 25 30

Ser Pro Arg Thr Leu
 35

<210> 247

<211> 20

<212> PRT

<213> Homo sapiens

<400> 247

Arg Leu Leu Asn Leu Ser Val Pro Met Phe Thr Phe Ile Val Val Lys
 1 5 10 15

Arg Tyr Ala Thr
 20

<210> 248

<211> 138

<212> PRT

<213> Homo sapiens

<400> 248

Met Ala Tyr Leu Thr Gly Met Leu Ser Ser Tyr Tyr Asn Thr Thr Ser
 1 5 10 15

Val Leu Leu Cys Leu Gly Ile Thr Ala Leu Val Cys Leu Ser Val Thr
 20 25 30

Val Phe Ser Phe Gln Thr Lys Phe Asp Phe Thr Ser Cys Gln Gly Val
 35 40 45

Leu Phe Val Leu Leu Met Thr Leu Phe Phe Ser Gly Leu Ile Leu Ala
 50 55 60

Ile Leu Leu Pro Phe Gln Tyr Val Pro Trp Leu His Ala Val Tyr Ala
 65 70 75 80

Ala Leu Gly Ala Gly Val Phe Thr Leu Phe Leu Ala Leu Asp Thr Gln
 85 90 95

Leu Leu Met Gly Asn Arg Arg His Ser Leu Ser Pro Glu Tyr Ile
 100 105 110

Phe Gly Ala Leu Asn Ile Tyr Leu Asp Ile Ile Tyr Ile Phe Thr Phe
 115 120 125

Phe Leu Gln Leu Phe Gly Thr Asn Arg Glu
130 135

<210> 249
<211> 175
<212> PRT
<213> Homo sapiens

<400> 249
Met Ala Gln Trp Thr Ser Thr Gly Pro Gly Lys Pro Thr Arg Gly
1 5 10 15
Leu Gly Ile Pro Thr Ala Ser Ser Gly Trp Val Trp Arg Arg Cys Ile
20 25 30
Ala Ser Trp Gly Thr Ala Thr Ala Trp Pro Cys Ser Cys Gly Thr
35 40 45
Gly Met Ala Thr Pro Ser Cys Cys Ser Ser Pro Cys Thr Trp Val Ala
50 55 60
Arg Thr Arg Pro Ile Ala Cys Ser Ser Leu His Pro Trp Pro Ala Ser
65 70 75 80
Trp Ala Pro Pro Pro Ser His Pro Ala Ala Ser Pro Tyr Pro Ser Pro
85 90 95
Leu Gly Thr Arg Ile Thr Thr Ser Ala Gly Thr Arg Thr Ala Pro Arg
100 105 110
Ala Ser Leu Glu Ala Gly Gly Leu Ala Pro Ala Ala Ile Pro Thr Phe
115 120 125
Asn Gly Pro Val Leu Pro Ala Pro Ser His Ser Ser Gly Arg Ser Leu
130 135 140
Arg Arg Glu Ser Ser Gly Arg Pro Ala Gly Arg Tyr Tyr Pro Leu Gln
145 150 155 160
Ala Thr Thr Met Leu Ile Gln Pro Met Ala Ala Glu Ala Ala Ser
165 170 175

<210> 250
<211> 101
<212> PRT
<213> Homo sapiens

<400> 250
Met Leu Leu Phe Gly Leu Cys Trp Gly Pro Tyr Val Ala Thr Leu Leu
1 5 10 15
Leu Ser Val Leu Ala Tyr Glu Gln Arg Pro Pro Leu Gly Pro Gly Thr
20 25 30
Leu Leu Ser Leu Leu Ser Leu Gly Ser Ala Ser Ala Ala Val Pro
35 40 45
Val Ala Met Gly Leu Gly Asp Gln Arg Tyr Thr Ala Pro Trp Arg Ala
50 55 60
Ala Ala Gln Arg Cys Leu Gln Gly Leu Trp Gly Arg Ala Ser Arg Asp

65 70 75 80

Ser Pro Gly Pro Ser Ile Ala Tyr His Pro Ser Ser Gln Ser Ser Val
 85 90 95

Asp Leu Asp Leu Asn
 100

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<210> 251
<211> 39
<212> PRT
<213> Homo sapiens
```

```
<400> 251
Met Leu Gly Leu Leu Leu Cys Thr Pro Arg Ala Trp Leu Thr Leu
 1          5          10         15
Ser Gly Pro Val Cys Phe Gln Gly Arg Asp Pro Leu Arg Ser His Arg
      20          25          30
Gly His Pro Ser Cys Gly Ser
 35
```

```
<210> 252
<211> 47
<212> PRT
<213> Homo sapiens
```

<400> 252
Met Leu Ser Ile Ile Pro Asn Asp Arg Leu Phe Ile Asn Leu Ile Phe
1 5 10 15
Leu Ser Asn Phe Leu Pro Ser Val Leu Trp Glu Pro Ala Gly Gln Met
20 25 30
Trp Tyr Thr His Val Arg Tyr Pro Ser Gly Arg Leu Leu Ser Leu
35 40 45

```
<210> 253
<211> 34
<212> PRT
<213> Homo sapiens
```

```

<400> 253
Met Thr Gly Phe Ala Gln Phe Cys Val Ile Leu Gly Leu Asn Leu Ser
  1                               10                      15
Leu Phe Gly Thr Phe Pro Tyr Leu Leu Pro Ser Ser Glu Ser Arg Cys
                20                      25                      30
Arg Lys

```

```
<210> 254
<211> 490
<212> PRT
<213> Homo sapiens
```

<400> 254

Met Gly Ser Ala Pro Trp Ala Pro Val Leu Leu Leu Ala Leu Gly Leu
 1 5 10 15
 Arg Gly Leu Gln Ala Gly Ala Arg Ser Gly Pro Arg Leu Pro Gly Ala
 20 25 30
 Leu Leu Pro Ala Ala Ser Gly Pro Leu Gln Leu Arg Ala Leu Arg Gln
 35 40 45
 Gln Asp Leu Pro Ser Ala Leu Pro Gly Val Gly Gln Val Leu Gly Pro
 50 55 60
 Gly Arg Gly Ala His Leu Leu Leu His Trp Glu Arg Gly Arg Arg Val
 65 70 75 80
 Gly Leu Arg Gln Gln Leu Gly Leu Arg Arg Gly Leu Ala Ala Glu Arg
 85 90 95
 Gly Ala Leu Leu Val Phe Ala Glu His Arg Tyr Tyr Gly Lys Ser Leu
 100 105 110
 Pro Phe Gly Ala Gln Ser Thr Gln Arg Gly His Thr Glu Leu Leu Thr
 115 120 125
 Val Glu Gln Ala Leu Ala Asp Phe Ala Glu Leu Leu Arg Ala Leu Arg
 130 135 140
 Arg Asp Leu Gly Ala Gln Asp Ala Pro Ala Ile Ala Phe Gly Gly Ser
 145 150 155 160
 Tyr Gly Gly Met Leu Ser Ala Tyr Leu Arg Met Lys Tyr Pro His Leu
 165 170 175
 Val Ala Gly Ala Leu Ala Ala Ser Ala Pro Val Leu Ser Val Ala Gly
 180 185 190
 Leu Gly Asp Ser Asn Gln Phe Phe Arg Asp Val Thr Ala Asp Phe Glu
 195 200 205
 Gly Gln Ser Pro Lys Cys Thr Gln Gly Val Arg Glu Ala Phe Arg Gln
 210 215 220
 Ile Lys Asp Leu Phe Leu Gln Gly Ala Tyr Asp Thr Val Arg Trp Glu
 225 230 235 240
 Phe Gly Thr Cys Gln Pro Leu Ser Asp Glu Lys Asp Leu Thr Gln Leu
 245 250 255
 Phe Met Phe Ala Arg Asn Ala Phe Thr Val Leu Ala Met Met Asp Tyr
 260 265 270
 Pro Tyr Pro Thr Asp Phe Leu Gly Pro Leu Pro Ala Asn Pro Val Lys
 275 280 285
 Val Gly Cys Asp Arg Leu Leu Ser Glu Ala Gln Arg Ile Thr Gly Leu
 290 295 300
 Arg Ala Leu Ala Gly Leu Val Tyr Asn Ala Ser Gly Ser Glu His Cys
 305 310 315 320
 Tyr Asp Ile Tyr Arg Leu Tyr His Ser Cys Ala Asp Pro Thr Gly Cys
 325 330 335
 Gly Thr Gly Pro Asp Ala Arg Ala Trp Asp Tyr Gln Ala Cys Thr Glu
 340 345 350

Ile Asn Leu Thr Phe Ala Ser Asn Asn Val Thr Asp Met Phe Pro Asp
355 360 365

Leu Pro Phe Thr Asp Glu Leu Arg Gln Arg Tyr Cys Leu Asp Thr Trp
370 375 380

Gly Val Trp Pro Arg Pro Asp Trp Leu Leu Thr Ser Phe Trp Gly Gly
385 390 395 400

Asp Leu Arg Ala Ala Ser Asn Ile Ile Phe Ser Asn Gly Asn Leu Asp
405 410 415

Pro Trp Ala Gly Gly Gly Ile Arg Arg Asn Leu Ser Ala Ser Val Ile
420 425 430

Ala Val Thr Ile Gln Gly Gly Ala His His Leu Asp Leu Ala Ser
435 440 445

His Pro Glu Asp Pro Ala Ser Val Val Glu Ala Arg Lys Leu Glu Ala
450 455 460

Thr Ile Ile Gly Glu Trp Val Lys Ala Ala Arg Glu Gln Gln Pro
465 470 475 480

Ala Leu Arg Gly Gly Pro Arg Leu Ser Leu
485 490

<210> 255

<211> 554

<212> PRT

<213> Homo sapiens

<400> 255

Gly Gly Gly Tyr Ala Leu Ala Leu Leu Val Leu Leu Leu Leu Gly Pro
1 5 10 15

Gly Gly Trp Cys Leu Ala Glu Pro Pro Arg Asp Ser Leu Arg Glu Glu
20 25 30

Leu Val Ile Thr Pro Leu Pro Ser Gly Asp Val Ala Ala Thr Phe Gln
35 40 45

Phe Arg Thr Arg Trp Asp Ser Glu Leu Gln Arg Glu Gly Val Ser His
50 55 60

Tyr Arg Leu Phe Pro Lys Ala Leu Gly Gln Leu Ile Ser Lys Tyr Ser
65 70 75 80

Leu Arg Glu Leu His Leu Ser Phe Thr Gln Gly Phe Trp Arg Thr Arg
85 90 95

Tyr Trp Gly Pro Pro Phe Leu Gln Ala Pro Ser Asp Thr Asp His Tyr
100 105 110

Phe Leu Arg Tyr Ala Val Leu Pro Arg Glu Val Val Cys Thr Glu Asn
115 120 125

Leu Thr Pro Trp Lys Lys Leu Leu Pro Cys Ser Ser Lys Ala Gly Leu
130 135 140

Ser Val Leu Leu Lys Ala Asp Arg Leu Phe His Thr Ser Tyr His Ser
145 150 155 160

Gln Ala Val His Ile Arg Pro Val Cys Arg Asn Ala Arg Cys Thr Ser
 165 170 175
 Ile Ser Trp Glu Leu Arg Gln Thr Leu Ser Val Val Phe Asp Ala Phe
 180 185 190
 Ile Thr Gly Gln Gly Lys Lys Asp Trp Ser Leu Phe Arg Met Phe Ser
 195 200 205
 Arg Thr Leu Thr Glu Pro Cys Pro Leu Ala Ser Glu Ser Arg Val Tyr
 210 215 220
 Val Asp Ile Thr Thr Tyr Asn Gln Asp Asn Glu Thr Leu Glu Val His
 225 230 235 240
 Pro Pro Pro Thr Thr Thr Tyr Gln Asp Val Ile Leu Gly Thr Arg Lys
 245 250 255
 Thr Tyr Ala Ile Tyr Asp Leu Leu Asp Thr Ala Met Ile Asn Asn Ser
 260 265 270
 Arg Asn Leu Asn Ile Gln Leu Lys Trp Lys Arg Pro Pro Glu Asn Glu
 275 280 285
 Ala Pro Pro Val Pro Phe Leu His Ala Gln Arg Tyr Val Ser Gly Tyr
 290 295 300
 Gly Leu Gln Lys Gly Glu Leu Ser Thr Leu Leu Tyr Asn Thr His Pro
 305 310 315 320
 Tyr Arg Ala Phe Pro Val Leu Leu Leu Asp Thr Val Pro Trp Tyr Leu
 325 330 335
 Arg Leu Tyr Val His Thr Leu Thr Ile Thr Ser Lys Gly Lys Glu Asn
 340 345 350
 Lys Pro Ser Tyr Ile His Tyr Gln Pro Ala Gln Asp Arg Leu Gln Pro
 355 360 365
 His Leu Leu Glu Met Leu Ile Gln Leu Pro Ala Asn Ser Val Thr Lys
 370 375 380
 Val Ser Ile Gln Phe Glu Arg Ala Leu Leu Lys Trp Thr Glu Tyr Thr
 385 390 395 400
 Pro Asp Pro Asn His Gly Phe Tyr Val Ser Pro Ser Val Leu Ser Ala
 405 410 415
 Leu Val Pro Ser Met Val Ala Ala Lys Pro Val Asp Trp Glu Glu Ser
 420 425 430
 Pro Leu Phe Asn Ser Leu Phe Pro Val Ser Asp Gly Ser Asn Tyr Phe
 435 440 445
 Val Arg Leu Tyr Thr Glu Pro Leu Leu Val Asn Leu Pro Thr Pro Asp
 450 455 460
 Phe Ser Met Pro Tyr Asn Val Ile Cys Leu Thr Cys Thr Val Val Ala
 465 470 475 480
 Val Cys Tyr Gly Ser Phe Tyr Asn Leu Leu Thr Arg Thr Phe Pro His
 485 490 495
 Arg Gly Ala Pro His Arg Trp Pro Gly Gln Ala Ala Gly Gln Pro Tyr
 500 505 510

Pro Ala Arg Pro Ser Val Pro Pro Thr Leu Ile Leu Ala Leu Ser Ser
 515 520 525
 Ser Cys Ser Cys Arg Phe Ser Leu Gly Arg Gly Ala Gln Gly Leu Phe
 530 535 540
 Leu Pro Leu Ala Leu Leu Arg Val Gly Phe
 545 550

<210> 256
 <211> 69
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 256
 Met Tyr Leu Ala Val Tyr Leu Leu Leu Phe Leu Cys Ile Cys Phe Tyr
 1 5 10 15

Phe Ile Ala Leu Phe Ser His Ala Leu Xaa Pro His Cys Phe Asn Tyr
 20 25 30

Pro Gly Phe Ser Phe Asn Leu Val His Trp Ser Ser Leu Ile Pro Pro
 35 40 45

Leu Pro Xaa Phe Phe Phe Phe Asn Ser Phe Ser Asn Cys Ser Leu Phe
 50 55 60

Phe Pro Tyr Xaa Leu
 65

<210> 257
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 257
 Thr Arg Pro Glu Lys Val Gln Ala Pro Leu Lys Trp Phe Lys Phe Gln
 1 5 10 15

Ile Leu Asp Pro Pro
 20

<210> 258
 <211> 272
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (229)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 258

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Ser Ala Glu Phe Gly Val Ala Pro Leu Pro Gly Arg Arg Gly Ser Pro
 1          5          10          15

Val Arg Gln Leu Ala Gln Phe Arg Arg Arg Leu Leu Arg Gly Ser Gly
          20          25          30

Gly Arg Gly Ala Pro Gly Arg Pro Pro Arg Cys Pro Gly Glu Ala Arg
          35          40          45

Val Met Xaa Pro Pro Ser Cys Ile Gln Asp Glu Pro Phe Pro His Pro
 50          55          60

Leu Glu Pro Glu Pro Gly Val Ser Ala Gln Pro Gly Pro Gly Lys Pro
 65          70          75          80

Ser Asp Lys Arg Phe Arg Leu Trp Tyr Val Gly Gly Ser Cys Leu Asp
          85          90          95

His Arg Thr Thr Leu Pro Met Leu Pro Trp Leu Met Ala Glu Ile Arg
        100        105        110

Arg Arg Ser Gln Lys Pro Glu Ala Gly Gly Cys Gly Ala Pro Ala Ala
        115        120        125

Arg Glu Val Ile Leu Val Leu Ser Ala Pro Phe Leu Arg Cys Val Pro
        130        135        140

Ala Pro Gly Ala Gly Ala Ser Gly Gly Thr Ser Pro Ser Ala Thr Gln
        145        150        155        160

Pro Asn Pro Ala Val Phe Ile Phe Glu His Lys Ala Gln His Ile Ser
        165        170        175

Arg Phe Ile His Asn Ser His Asp Leu Thr Tyr Phe Ala Tyr Leu Ile
        180        185        190

Lys Ala Gln Pro Asp Asp Pro Glu Ser Gln Met Ala Cys His Val Phe
        195        200        205

Arg Ala Thr Asp Pro Ser Gln Val Pro Asp Val Ile Ser Ser Ile Arg
        210        215        220

Gln Leu Ser Lys Xaa Ala Met Lys Glu Asp Ala Lys Pro Ser Lys Asp
        225        230        235        240

Asn Glu Asp Ala Phe Tyr Asn Ser Gln Lys Phe Glu Val Leu Tyr Cys
        245        250        255

Gly Lys Val Thr Val Thr Pro Gln Glu Gly Pro Leu Lys Pro His Arg
        260        265        270

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<210> 259
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 259
 Pro Met Leu Pro Trp Leu Met Ala Glu Ile Arg Arg Arg Ser
 1 5 10

<210> 260
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 260
 Ile His Asn Ser His Asp Leu Thr Tyr Phe Ala Tyr Leu Ile Lys Ala
 1 5 10 15

Gln Pro Asp

<210> 261
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 261
 Lys Phe Glu Val Leu Tyr Cys Gly Lys Val Thr Val
 1 5 10

<210> 262
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 262
 Ile Ser Ser Ile Arg Gln Leu Ser Lys Ala Met Lys Glu
 1 5 10

<210> 263
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 263
 Gly Glu Arg Arg Asn Trp Gly Gly Glu Val Tyr Tyr Ser Thr Gly Tyr
 1 5 10 15

Ser Ser Arg Lys
 20

<210> 264
 <211> 9

<212> PRT
 <213> Homo sapiens

<400> 264
 Glu Pro Gly Ala Ala Gln Glu Ser Trp
 1 5

<210> 265
 <211> 202
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (108)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (120)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (138)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (165)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 265
 Leu Cys Ala Arg Pro Ser Cys Ser Tyr Thr Gly Ala Glu Asn Gln Gly
 1 5 10 15

Gln Pro Arg Ser Pro Gly Trp Gly Ser Ser His Val Gly Trp Gly Trp
 20 25 30

Gly Val Gly Ser Pro Phe Leu Gly Ser Gln Glu Trp Ser Gly Leu Ala
 35 40 45

Pro Asp Leu Pro Asp Gln Glu Glu Glu Gln Pro Val Gly Arg His Ser
 50 55 60

Cys Pro Asp Met Ser Gln Cys Ile Lys Arg Gly His Gln Pro Val Gly
 65 70 75

Phe Ser Lys His Ala Trp Arg Cys Leu Val Gly Cys Cys Pro Trp Gly
 85 90 95

Glu Glu Lys Arg Ser Cys His Pro Phe Gly Ala Xaa Leu Leu Trp Val
 100 105 110

Leu Arg Phe Ala Leu Gln Pro Xaa Val Tyr Glu Asp Pro Ala Ala Leu
 115 120 125

Asp Gly Gly Glu Glu Gly Met Asp Ile Xaa Thr His Ile Leu Ala Leu
 130 135 140

Ala Pro Arg Leu Leu Lys Asp Ser Gly Ser Ile Phe Leu Glu Val Asp
 145 150 155

Pro Arg His Pro Xaa Leu Val Ser Ser Trp Leu Gln Ser Arg Pro Asp

165

170

175

Leu Tyr Leu Asn Leu Val Ala Val Arg Arg Asp Phe Cys Gly Arg Pro
180 185 190

Arg Phe Leu His Ile Arg Arg Ser Gly Pro
195 200

<210> 266

<211> 37

<212> PRT

<213> Homo sapiens

<400> 266

Leu Cys Ala Arg Pro Ser Cys Ser Tyr Thr Gly Ala Glu Asn Gln Gly
1 5 10 15

Gln Pro Arg Ser Pro Gly Trp Gly Ser Ser His Val Gly Trp Gly Trp
20 25 30

Gly Val Gly Ser Pro
35

<210> 267

<211> 37

<212> PRT

<213> Homo sapiens

<400> 267

Phe Leu Gly Ser Gln Glu Trp Ser Gly Leu Ala Pro Asp Leu Pro Asp
1 5 10 15

Gln Glu Glu Glu Gln Pro Val Gly Arg His Ser Cys Pro Asp Met Ser
20 25 30

Gln Cys Ile Lys Arg
35

<210> 268

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 268

Gly His Gln Pro Val Gly Phe Ser Lys His Ala Trp Arg Cys Leu Val
1 5 10 15

Gly Cys Cys Pro Trp Glu Glu Glu Lys Arg Ser Cys His Pro Phe Gly
20 25 30

Ala Xaa Leu Leu Trp
35

<210> 269
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 269
 Val Leu Arg Phe Ala Leu Gln Pro Xaa Val Tyr Glu Asp Pro Ala Ala
 1 5 10 15
 Leu Asp Gly Gly Glu Glu Gly Met Asp Ile Xaa Thr His Ile Leu Ala
 20 25 30
 Leu Ala Pro Arg Leu
 35

<210> 270
 <211> 54
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 270
 Leu Lys Asp Ser Gly Ser Ile Phe Leu Glu Val Asp Pro Arg His Pro
 1 5 10 15
 Xaa Leu Val Ser Ser Trp Leu Gln Ser Arg Pro Asp Leu Tyr Leu Asn
 20 25 30
 Leu Val Ala Val Arg Arg Asp Phe Cys Gly Arg Pro Arg Phe Leu His
 35 40 45
 Ile Arg Arg Ser Gly Pro
 50

<210> 271
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 271
 Gln Glu Leu Leu Val Lys Ile Pro Leu Asp Met Val Ala Gly Phe Asn
 1 5 10 15
 Thr Pro Leu

<210> 272
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 272
 Leu Arg Ile Gln Leu Leu His Lys Leu Ser Phe Leu Val Asn Ala Leu
 1 5 10 15
 Ala Lys Gln Val Met Asn Leu Leu Val Pro
 20 25

<210> 273
 <211> 20
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <400> 273
 His Xaa Ile Trp Leu Lys Val Ile Thr Xaa Asn Ile Leu Gln Leu Gln
 1 5 10 15
 Val Lys Pro Ser
 20

<210> 274
 <211> 58
 <212> PRT
 <213> Homo sapiens
 <400> 274
 Ala Gly Pro Trp Thr Phe Thr Leu Leu Cys Gly Leu Leu Ala Ala Thr
 1 5 10 15
 Leu Ile Gln Ala Thr Leu Ser Pro Thr Ala Val Leu Ile Leu Gly Pro
 20 25 30
 Lys Val Ile Lys Glu Lys Leu Thr Gln Glu Leu Lys Asp His Asn Ala
 35 40 45
 Thr Ser Ile Leu Gln Gln Leu Pro Leu Leu
 50 55

<210> 275
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 275
 His Phe Ile Ile Thr Leu Thr Thr Phe Phe Thr Asn Tyr Phe Leu
 1 5 10 15

<210> 276
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 276
 Met Lys Ile Thr Phe Gln Asp Leu Phe Pro Met Trp Asn Ser Phe Lys
 1 5 10 15
 Cys Phe Leu His Gly Asn Val Phe Ser Leu Phe Val Leu Phe Pro Leu
 20 25 30
 Leu Thr Cys Phe Ser Phe Pro Tyr Thr Val Asn Ser Gly Thr Lys Leu
 35 40 45
 Asp Trp Val Gly Trp Leu Val Gly Trp Phe Phe Leu Glu Phe Met Tyr
 50 55 60
 Ile Asn Lys Gly Phe Glu Val Thr Ser Glu Asn Asn Ile Ser Lys Arg
 65 70 75 80
 Val Leu Val Arg Glu Asn Ile Arg Ile Lys Ser Ser Pro Glu Arg Val
 85 90 95
 Leu Arg Met

<210> 277
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 277
 Arg Phe Trp Gly Ser Tyr Glu Pro His Phe Ser Gln Glu Val Ser Val
 1 5 10 15
 Ile Pro Pro

<210> 278
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 278
 Ile Arg Gly Asn Tyr Phe Ser Gly Arg Lys Lys Ser Ser Ser Asp Thr
 1 5 10 15
 Pro Lys Gly Ser Lys Asp Lys Ile Ser Val Trp Asn Arg Ser Gln Xaa
 20 25 30
 Ala Cys Ile Arg Ile Cys Lys Val His Pro Asn Tyr Ile Gln Ile Tyr
 35 40 45

Leu Trp His Ser Ala Thr Ser Phe
50 55

<210> 279
<211> 74
<212> PRT
<213> Homo sapiens

<400> 279
Ala Gly Asn Gln Val Glu Pro Phe His Val Ser Leu Pro Ser Cys Leu
1 5 10 15
Ser Pro Leu Pro His Leu Gly His Ser Met Gly Val Pro Ser Pro Thr
20 25 30
Ala Trp Pro Ser Leu Ala Ser Phe His Thr Gln Lys Lys Ala Arg Ile
35 40 45
Arg Gln Glu Glu Glu Ser Pro Leu Pro Ser Pro Gln Glu Leu Ala
50 55 60
Phe Ser Ala Leu Arg Val Phe Phe Arg Val
65 70

<210> 280
<211> 38
<212> PRT
<213> Homo sapiens

<400> 280
Phe Ile Gln Gln Asn Ile Ser Phe Leu Leu Gly Tyr Ser Ile Pro Val
1 5 10 15
Gly Cys Val Gly Leu Ala Phe Phe Ile Phe Leu Phe Ala Thr Pro Val
20 25 30
Phe Ile Thr Lys Pro Pro
35

<210> 281
<211> 347
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (340)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (341)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 281

Val Ser Ala His His Pro Ser Gly Ala Asp Glu Gly Val Thr Ala Xaa
 1 5 10 15
 Gln Ile Leu Pro Thr Glu Glu Tyr Glu Ala Met Ser Thr Met Gln
 20 25 30
 Val Ser Gln Leu Asp Leu Phe Arg Leu Leu Asp Gln Asn Arg Asp Gly
 35 40 45
 His Leu Gln Leu Arg Glu Val Leu Ala Gln Thr Arg Leu Gly Asn Gly
 50 55 60
 Trp Trp Met Thr Pro Glu Ser Ile Gln Glu Met Tyr Ala Ala Ile Lys
 65 70 75 80
 Ala Asp Pro Asp Gly Asp Gly Val Leu Ser Leu Gln Glu Phe Ser Asn
 85 90 95
 Met Asp Leu Arg Asp Phe His Lys Tyr Met Arg Ser His Lys Ala Glu
 100 105 110
 Ser Ser Glu Leu Val Arg Asn Ser His His Thr Trp Leu Tyr Gln Gly
 115 120 125
 Glu Gly Ala His His Ile Met Arg Ala Ile Arg Gln Arg Val Leu Arg
 130 135 140
 Leu Thr Arg Leu Ser Pro Glu Ile Val Glu Leu Ser Glu Pro Leu Gln
 145 150 155 160
 Val Val Arg Tyr Gly Glu Gly Gly His Tyr His Ala His Val Asp Ser
 165 170 175
 Gly Pro Val Tyr Pro Glu Thr Ile Cys Ser His Thr Lys Leu Val Ala
 180 185 190
 Asn Glu Ser Val Pro Phe Glu Thr Ser Cys Arg Tyr Met Thr Val Leu
 195 200 205
 Phe Tyr Leu Asn Asn Val Thr Gly Gly Gly Glu Thr Val Phe Pro Val
 210 215 220
 Ala Asp Asn Arg Thr Tyr Asp Glu Met Ser Leu Ile Gln Asp Asp Val
 225 230 235 240
 Asp Leu Arg Asp Thr Arg Arg His Cys Asp Lys Gly Asn Leu Arg Val
 245 250 255
 Lys Pro Gln Gln Gly Thr Ala Val Phe Trp Tyr Asn Tyr Leu Pro Asp
 260 265 270
 Gly Gln Gly Trp Val Gly Asp Val Asp Asp Tyr Ser Leu His Gly Gly
 275 280 285
 Cys Leu Val Thr Arg Gly Thr Lys Trp Ile Ala Asn Asn Trp Ile Asn
 290 295 300
 Val Asp Pro Ser Arg Ala Arg Gln Ala Leu Phe Gln Gln Glu Met Ala
 305 310 315 320
 Arg Leu Ala Arg Glu Gly Gly Thr Asp Ser Gln Pro Glu Trp Ala Leu
 325 330 335
 Asp Arg Ala Xaa Xaa Asp Ala Arg Val Glu Leu
 340 345

<210> 282
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 282
 Ala Val Phe Trp Tyr Asn
 1 5

<210> 283
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 283
 Thr Val Leu Phe Tyr Leu Asn Asn Val Thr Gly Gly Gly Glu Thr Val
 1 5 10 15

Phe Pro

<210> 284
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 284
 Asp Leu Phe Arg Leu Leu Asp Gln Asn Arg Asp Gly His Leu Gln Leu
 1 5 10 15

Arg Glu Val Leu Ala Gln Thr Arg Leu Gly Asn Gly Trp Trp Met Thr
 20 25 30

Pro Glu Ser Ile Gln Glu Met Tyr Ala Ala Ile Lys Ala Asp Pro Asp
 35 40 45

Gly Asp Gly Val Leu Ser Leu Gln Glu Phe Ser
 50 55

<210> 285
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 285
 Val Ser Ala His His Pro Ser Gly Ala Asp Glu Gly Val Thr Ala Xaa
 1 5 10 15

Gln Ile Leu Pro Thr Glu Glu Tyr Glu Glu Ala Met Ser Thr Met Gln
 20 25 30

Val Ser Gln Leu Asp Leu
 35

<210> 286
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 286
 Phe Arg Leu Leu Asp Gln Asn Arg Asp Gly His Leu Gln Leu Arg Glu
 1 5 10 15
 Val Leu Ala Gln Thr Arg Leu Gly Asn Gly Trp Trp Met Thr Pro Glu
 20 25 30
 Ser Ile Gln Glu Met Tyr
 35

<210> 287
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 287
 Ala Ala Ile Lys Ala Asp Pro Asp Gly Asp Gly Val Leu Ser Leu Gln
 1 5 10 15
 Glu Phe Ser Asn Met Asp Leu Arg Asp Phe His Lys Tyr Met Arg Ser
 20 25 30
 His Lys Ala Glu Ser Ser
 35

<210> 288
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 288
 Glu Leu Val Arg Asn Ser His His Thr Trp Leu Tyr Gln Gly Glu Gly
 1 5 10 15
 Ala His His Ile Met Arg Ala Ile Arg Gln Arg Val Leu Arg Leu Thr
 20 25 30
 Arg Leu Ser Pro Glu Ile
 35

<210> 289
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 289
 Val Glu Leu Ser Glu Pro Leu Gln Val Val Arg Tyr Gly Glu Gly Gly
 1 5 10 15
 His Tyr His Ala His Val Asp Ser Gly Pro Val Tyr Pro Glu Thr Ile
 20 25 30

Cys Ser His Thr Lys Leu
35

<210> 290
<211> 38
<212> PRT
<213> Homo sapiens

<400> 290
Val Ala Asn Glu Ser Val Pro Phe Glu Thr Ser Cys Arg Tyr Met Thr
1 5 10 15
Val Leu Phe Tyr Leu Asn Asn Val Thr Gly Gly Gly Glu Thr Val Phe
20 25 30
Pro Val Ala Asp Asn Arg
35

<210> 291
<211> 38
<212> PRT
<213> Homo sapiens

<400> 291
Thr Tyr Asp Glu Met Ser Leu Ile Gln Asp Asp Val Asp Leu Arg Asp
1 5 10 15
Thr Arg Arg His Cys Asp Lys Gly Asn Leu Arg Val Lys Pro Gln Gln
20 25 30
Gly Thr Ala Val Phe Trp
35

<210> 292
<211> 38
<212> PRT
<213> Homo sapiens

<400> 292
Tyr Asn Tyr Leu Pro Asp Gly Gln Gly Trp Val Gly Asp Val Asp Asp
1 5 10 15
Tyr Ser Leu His Gly Gly Cys Leu Val Thr Arg Gly Thr Lys Trp Ile
20 25 30
Ala Asn Asn Trp Ile Asn
35

<210> 293
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 293
 Val Asp Pro Ser Arg Ala Arg Gln Ala Leu Phe Gln Gln Glu Met Ala
 1 5 10 15
 Arg Leu Ala Arg Glu Gly Gly Thr Asp Ser Gln Pro Glu Trp Ala Leu
 20 25 30
 Asp Arg Ala Xaa Xaa Asp Ala Arg Val Glu Leu
 35 40

<210> 294
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 294
 Leu Leu Ala Asp Leu Met Arg Asn Tyr Asp Pro His Leu Arg Pro
 1 5 10 15

<210> 295
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 295
 Ile Ser Val Thr Tyr Phe Pro Phe Asp Trp Gln Asn Cys Ser Leu Ile
 1 5 10 15

Phe Gln Ser

<210> 296
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 296
 Ser Met Ala Arg Gly Val Arg Lys Val Phe Leu Arg Leu Leu Pro Gln
 1 5 10 15

<210> 297
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 297
 Gln Ala Ser Pro Ala Ile Gln Ala Cys Val Asp Ala Cys Asn Leu Met
 1 5 10 15

Ala Arg

<210> 298
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 298
 Tyr Asn Gln Val Pro Asp Leu Pro Phe Pro Gly Asp Pro Arg Pro Tyr
 1 5 10 15

Leu

<210> 299
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 299
 Cys Ser Ile Ser Val Thr Tyr Phe Pro Phe Asp Trp Gln Asn Cys
 1 5 10 15

<210> 300
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 300
 Val Leu Lys Tyr Ala Leu Phe Leu Val Leu Lys Asn Tyr Tyr Tyr Cys
 1 5 10 15

Pro Tyr

<210> 301
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 301
 Met Arg Glu Tyr Gly Val Glu Arg Asp Leu Ala Val Tyr Asn Gln Leu
 1 5 10 15

Leu Asn Ile Phe Pro Lys Glu Val Phe Arg Pro Arg Asn Ile Ile Gln
 20 25 30

Arg Ile Phe Val His Tyr Pro Arg Gln Gln Glu Cys Gly Ile Ala Val
 35 40 45

Leu Glu Gln Met Glu Asn His Gly Val Met Pro Asn Lys Glu Thr Glu
 50 55 60

Phe Leu Leu Ile Gln Ile Phe Gly Arg Lys Ser Tyr Pro Met Leu Lys
 65 70 75 80

Leu Val Arg Leu Lys Leu Trp Phe Pro Arg Phe Met Asn Val Asn Pro
 85 90 95

Phe Pro Val Pro Arg Asp Leu Pro Gln Asp Pro Val Glu Leu Ala Met
 100 105 110
 Phe Gly Leu Arg His Met Glu Pro Asp Leu Ser Ala Arg Val Thr Ile
 115 120 125
 Tyr Gln Val Pro Leu Pro Lys Asp Ser Thr Gly Ala Ala Asp Pro Pro
 130 135 140
 Gln Pro His Ile Val Gly Ile Gln Ser Pro Asp Gln Gln Ala Ala Leu
 145 150 155 160
 Ala Arg His Asn Pro Ala Arg Pro Val Phe Val Glu Gly Pro Phe Ser
 165 170 175
 Leu Trp Leu Arg Asn Lys Cys Val Tyr Tyr His Ile Leu Arg Ala Asp
 180 185 190
 Leu Leu Pro Pro Glu Glu Arg Glu Val Glu Glu Thr Pro Glu Glu Trp
 195 200 205
 Asn Leu Tyr Tyr Pro Met Gln Leu Asp Leu Glu Tyr Val Arg Ser Gly
 210 215 220
 Trp Asp Asn Tyr Glu Phe Asp Ile Asn Glu Val Glu Glu Gly Pro Val
 225 230 235 240
 Phe Ala Met Cys Met Ala Gly Ala His Asp Gln Ala Thr Met Ala Lys
 245 250 255
 Trp Ile Gln Gly Leu Gln Glu Thr Asn Pro Thr Leu Ala Gln Ile Pro
 260 265 270
 Val Val Phe Arg Leu Ala Gly Ser Thr Arg Glu Leu Gln Thr Ser Ser
 275 280 285
 Ala Gly Leu Glu Glu Pro Pro Leu Pro Glu Asp His Gln Glu Glu Asp
 290 295 300
 Asp Asn Leu Gln Arg Gln Gln Gln Gly Gln Ser
 305 310 315

<210> 302
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 302
 Phe Gln Phe Gly Trp Ala Ser Thr Gln Ile Ser His Leu Ser Leu Ile
 1 5 10 15
 Pro Glu Leu

<210> 303
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 303
 Leu Arg Tyr Ala Phe Thr Val Val Ala Asn Ile Thr Val Tyr

1

5

10

<210> 304

<211> 17

<212> PRT

<213> Homo sapiens

<400> 304

Phe Val Tyr Gly Ser Met Ser Phe Leu Asp Lys Val Ala Asn Gly Leu
 1 5 10 15

Ala

<210> 305

<211> 17

<212> PRT

<213> Homo sapiens

<400> 305

Trp His Leu Val Gly Thr Val Cys Val Leu Leu Ser Phe Pro Phe Ile
 1 5 10 15

Phe

<210> 306

<211> 15

<212> PRT

<213> Homo sapiens

<400> 306

Gly His Phe Leu Asn Asp Leu Cys Ala Ser Met Trp Phe Thr Tyr
 1 5 10 15

<210> 307

<211> 40

<212> PRT

<213> Homo sapiens

<400> 307

Ala Ile Pro Leu Arg Val Leu Val Val Leu Trp Ala Phe Val Leu Gly
 1 5 10 15

Leu Ser Arg Val Met Leu Gly Arg His Asn Val Thr Asp Val Ala Phe
 20 25 30

Gly Phe Phe Leu Gly Tyr Met Gln
 35 40

<210> 308

<211> 13

<212> PRT

<213> Homo sapiens

<400> 308

Val Gly Leu Ser Arg Val Leu Gly Arg His Thr Asp Val
 1 5 10

<210> 309
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 309
 Ser Phe Tyr Lys Met Lys Arg Asn Ser Tyr Asp Arg Leu Arg Lys Val
 1 5 10 15

Val

<210> 310
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 310
 Leu His Gln Leu Arg Pro Pro His Arg Phe Pro Leu Ile Pro Pro Ala
 1 5 10 15

Ala Ala Glu Gly Ala Gly Ala Pro Pro Gly Cys Gly Tyr Cys Val Phe
 20 25 30

Trp Leu Leu Asn Pro Leu Pro
 35

<210> 311
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 311
 Met Pro Trp Lys Arg Ala Val Val Leu Leu Met Leu Trp Phe Ile Gly
 1 5 10 15

Gln Ala Met Trp Leu Ala Pro Ala Tyr Val Leu Glu Phe Gln Gly Lys
 20 25 30

Asn Thr Phe Leu Phe Ile Trp Leu Ala Gly Leu Phe Phe Leu Leu Ile
 35 40 45

Asn Cys Ser Ile Leu Ile Gln Ile Ile Ser His Tyr Lys Glu Glu Pro
 50 55 60

Leu Thr Glu Arg Ile Lys Tyr Asp
 65 70

<210> 312
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 312
 Ala Arg Ala Gln Pro Phe Ala Phe Gln Leu Arg Pro Ala Pro Gly Arg

1

5

10

15

Pro Gly Ser Pro Val Ala
20

<210> 313
<211> 297
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (297)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 313
Ala Gly Leu Pro Gly Ala Leu Thr Ala Pro Ala Xaa His His His Ala
1 5 10 15

Asp Ser Arg Pro Ala Glu Leu Val Val Gln Pro Leu Ser Pro Arg
20 25 30

Pro Leu Leu Ser His Ala Gly Leu Ala Ser Ala Ala Gly Ala Ser Ser
35 40 45

Leu Xaa Arg Val Pro Gly Glu Ala Glu Ser Leu Cys Ala Leu Ser Pro
50 55 60

Gly Ser Ala Leu Arg Phe Pro Ala Ala Ser Cys Ser Arg Pro Xaa Arg
65 70 75 80

Glu Pro Ser Gly Asp Glu Gly Thr Ala Gly Ala Leu Pro Ser Pro Trp
85 90 95

Leu Ala Ala Leu Gly Pro Gly Gly Arg Pro Ala Val Arg Arg Val Leu
100 105 110

Pro Arg Leu Gly Gly Arg Ala Gly Gln Leu Pro Arg Gly Leu Pro Val
115 120 125

Pro Arg Gly Leu Arg His Ala Gly Arg Tyr His Leu Leu Arg Leu Leu
130 135 140

Arg Ala Pro Leu Leu Leu Arg Arg Gly Arg Arg Gln Ala Gly Ala Gly
145 150 155 160

Arg Leu His Gln Arg Pro Pro Arg Thr Gly Ala Pro Arg His His Cys
165 170 175

Ala Ala Cys Leu Arg Pro Leu Ser His Arg Arg Leu His Leu His Cys
 180 185 190

Val His His Pro Gly Leu Cys Ser Gly Tyr Leu Leu Leu His Leu Phe
 195 200 205

Glu Thr Gln Gly Ala Leu Ala Ala Ala Asn Pro Leu Leu Thr Pro Gln
 210 215 220

Leu Ser Asp Arg Asp Pro Ala His Asp Pro Asp Leu His Gln Pro Gln
 225 230 235 240

Gly Thr Leu Pro Ala Val Gln His Ser His Glu Leu Gln Leu His Arg
 245 250 255

Arg Leu His Pro Gln Val Leu Leu Ser His Leu Val Ser Trp Cys His
 260 265 270

Pro Ser Ile Ser Leu Thr Pro Phe Ser Arg Ser Pro His Trp Leu Gly
 275 280 285

Arg Ala Val Gln Thr Phe Ser Ser Xaa
 290 295

<210> 314
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 314
 Ala Gly Leu Pro Gly Ala Leu Thr Ala Pro Ala Xaa His His His Ala
 1 5 10 15

Asp Ser Arg Pro Ala Glu Leu Val Val Gln Pro Leu Ser Pro Pro Arg
 20 25 30

Pro Leu Leu Ser His Ala
 35

<210> 315
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 315
 Gly Leu Ala Ser Ala Ala Gly Ala Ser Ser Leu Xaa Arg Val Pro Gly
 1 5 10 15

Glu Ala Glu Ser Leu Cys Ala Leu Ser Pro Gly Ser Ala Leu Arg Phe
 20 25 30

Pro Ala Ala Ser Cys Ser Arg Pro

35

40

<210> 316

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 316

Xaa Arg Glu Pro Ser Gly Asp Glu Gly Thr Ala Gly Ala Leu Pro Ser
1 5 10 15Pro Trp Leu Ala Ala Leu Gly Pro Gly Gly Arg Pro Ala Val Arg Arg
20 25 30Val Leu Pro Arg Leu Gly Gly Arg
35 40

<210> 317

<211> 40

<212> PRT

<213> Homo sapiens

<400> 317

Ala Gly Gln Leu Pro Arg Gly Leu Pro Val Pro Arg Gly Leu Arg His
1 5 10 15Ala Gly Arg Tyr His Leu Leu Arg Leu Leu Arg Ala Pro Leu Leu Leu
20 25 30Arg Arg Gly Arg Arg Gln Ala Gly
35 40

<210> 318

<211> 40

<212> PRT

<213> Homo sapiens

<400> 318

Ala Gly Arg Leu His Gln Arg Pro Pro Arg Thr Gly Ala Pro Arg His
1 5 10 15His Cys Ala Ala Cys Leu Arg Pro Leu Ser His Arg Arg Leu His Leu
20 25 30His Cys Val His His Pro Gly Leu
35 40

<210> 319

<211> 40

<212> PRT

<213> Homo sapiens

<400> 319

Cys Ser Gly Tyr Leu Leu Leu His Leu Phe Glu Thr Gln Gly Ala Leu
 1 5 10
 Ala Ala Ala Asn Pro Leu Leu Thr Pro Gln Leu Ser Asp Arg Asp Pro
 20 25 30
 Ala His Asp Pro Asp Leu His Gln
 35 40

<210> 320
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (59)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 320
 Pro Gln Gly Thr Leu Pro Ala Val Gln His Ser His Glu Leu Gln Leu
 1 5 10 15
 His Arg Arg Leu His Pro Gln Val Leu Leu Ser His Leu Val Ser Trp
 20 25 30
 Cys His Pro Ser Ile Ser Leu Thr Pro Phe Ser Arg Ser Pro His Trp
 35 40 45
 Leu Gly Arg Ala Val Gln Thr Phe Ser Ser Xaa
 50 55

<210> 321
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 321
 Val Ala His Thr Cys Asn Leu Ser Thr Leu Gly Gly Gln Gly Gly Arg
 1 5 10 15
 Ile Glu Arg Thr Ala Gly Gln Glu Phe Lys Thr Ser
 20 25

<210> 322
 <211> 115
 <212> PRT
 <213> Homo sapiens

<400> 322
 His Tyr Lys Ser Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Arg Gly Arg
 1 5 10 15
 Val Asp Glu Val Leu Thr Asn Cys His Trp Thr Tyr Leu Lys Gln Asn
 20 25 30
 Arg Lys Met Ala Ala Asn Ser Ser Gly Gln Ala Leu His Ser Arg Asp
 35 40 45
 Pro Leu Leu Ile Arg Thr Ser Gly Ile Thr Leu Ser Ser Ser Ile Leu

50

55

60

Gln Pro Asn Arg Arg Gln Leu Cys Ser Met Leu Met His Ile His Leu
65 70 75 80

Asp Thr Ser Ser Leu Lys Thr Leu His Leu Gly Thr Leu Phe Phe Leu
85 90 95

Phe Tyr Leu Ala Leu Thr Gln Asn Glu Asn Ile Cys Asp Gly Lys
100 105 110

Val Thr Leu
115

<210> 323

<211> 19

<212> PRT

<213> Homo sapiens

<400> 323

Thr Ile Lys Met Gln Thr Glu Asn Leu Gly Val Val Tyr Tyr Val Asn
1 5 10 15

Lys Asp Phe

<210> 324

<211> 13

<212> PRT

<213> Homo sapiens

<400> 324

Val Glu Glu Asp Tyr Val Thr Asn Ile Arg Asn Asn Cys
1 5 10

<210> 325

<211> 7

<212> PRT

<213> Homo sapiens

<400> 325

Met Val Ser Asn Pro Pro Tyr
1 5

<210> 326

<211> 5

<212> PRT

<213> Homo sapiens

<400> 326

His Ala Ser Glu Leu
1 5

<210> 327

<211> 129

<212> PRT

<213> Homo sapiens

<400> 327

Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser
1 5 10 15

Thr His Ala Ser Glu Leu Met Pro Ile Ile Val Leu Ile Leu Val Ser
20 25 30

Leu Leu Ser Gln Leu Met Val Ser Asn Pro Pro Tyr Ser Leu Tyr Pro
35 40 45

Arg Ser Gly Thr Gly Gln Thr Ile Lys Met Gln Thr Glu Asn Leu Gly
50 55 60

Val Val Tyr Tyr Val Asn Lys Asp Phe Lys Asn Glu Tyr Lys Gly Met
65 70 75 80

Leu Leu Gln Lys Val Glu Lys Ser Val Glu Glu Asp Tyr Val Thr Asn
85 90 95

Ile Arg Asn Asn Cys Trp Lys Glu Arg Gln Gln Lys Thr Asp Met Gln
100 105 110

Tyr Ala Ala Lys Val Tyr Arg Asp Arg Arg Leu Arg Arg Gln Met
115 120 125

Pro

<210> 328

<211> 35

<212> PRT

<213> Homo sapiens

<400> 328

Leu Val Ala Leu Asp Arg Met Glu Tyr Val Arg Thr Phe Arg Lys Arg
1 5 10 15

Glu Asp Leu Arg Gly Arg Leu Phe Trp Val Ala Leu Asp Leu Leu Asp
20 25 30

Leu Leu Asp
35

<210> 329

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 329

Ser Val Ala Leu Phe Tyr Asn Phe Gly Lys Ser Trp Lys Ser Asp Pro
1 5 10 15

Gly Ile Ile Lys Xaa Thr Glu Glu Gln Lys Lys Lys Thr Ile Val Glu
20 25 30

Leu Ala Glu Thr Gly Ser Leu Asp Leu Ser Ile Phe Cys Ser Thr Cys
 35 40 45
 Leu Ile Arg Lys Pro Val Arg Ser Lys His Cys Gly Val Cys Asn Arg
 50 55 60
 Cys Ile Ala Lys Phe Asp His His Cys Pro Trp Val Gly Asn Cys Val
 65 70 75 80
 Gly Ala Gly Asn His Arg Tyr Phe
 85

<210> 330
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 330
 Phe Asp His His Cys Pro Trp Val Gly Asn Cys Val
 1 5 10

<210> 331
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 331
 Gln Met Tyr Gln Ile Ser Cys Leu Gly Ile Thr Thr Asn Glu Arg Met
 1 5 10 15
 Asn Ala Arg Arg
 20

<210> 332
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 332
 Arg Val Thr Ser Ser Leu Ala Met Leu Ser Asp Ser
 1 5 10

<210> 333
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 333
 Ala Ile Glu Arg Phe Ile Glu Pro His Glu Met Gln Gln Pro Leu
 1 5 10 15

<210> 334
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 334

Asn Ala Leu Val Phe Tyr Phe Ser Trp Lys Gly Cys Ser Glu Gly Asp
 1 5 10 15

Phe Cys Val Asn Pro Cys Phe Pro Asp Pro Cys Lys Pro Phe Val Glu
 20 25 30

Ile Ile Asn Ser Thr His Ala Ser Val Tyr Glu Ala Gly Pro Cys Trp
 35 40 45

Val

<210> 335

<211> 307

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (148)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 335

Ala Gly Ile Arg His Glu Arg Asn Arg Gly Arg Leu Leu Cys Met Leu
 1 5 10 15

Ala Leu Thr Phe Met Phe Met Val Leu Glu Val Val Val Ser Arg Val
 20 25 30

Thr Ser Ser Leu Ala Met Leu Ser Asp Ser Phe His Met Leu Ser Asp
 35 40 45

Val Leu Ala Leu Val Val Ala Leu Val Ala Glu Arg Phe Ala Arg Arg
 50 55 60

Thr His Ala Thr Gln Lys Asn Thr Phe Gly Trp Ile Arg Ala Glu Val
 65 70 75 80

Met Gly Ala Leu Val Asn Ala Ile Phe Leu Thr Gly Leu Cys Phe Ala
 85 90 95

Ile Leu Leu Glu Ala Ile Glu Arg Phe Ile Glu Pro His Glu Met Gln
 100 105 110

Gln Pro Leu Val Val Leu Gly Val Gly Val Ala Gly Leu Leu Val Asn
 115 120 125

Val Leu Gly Leu Cys Leu Phe His His His Ser Gly Phe Ser Gln Asp
 130 135 140

Ser Gly His Xaa His Ser His Gly Gly His Gly His Gly His Gly Leu
 145 150 155 160

Pro Lys Gly Pro Arg Val Lys Ser Thr Arg Pro Gly Ser Ser Asp Ile
 165 170 175

Asn Val Ala Pro Gly Glu Gln Gly Pro Asp Gln Glu Glu Thr Asn Thr
 180 185 190

Leu Val Ala Asn Thr Ser Asn Ser Asn Gly Leu Lys Leu Asp Pro Ala
 195 200 205

Asp Pro Glu Asn Pro Arg Ser Gly Asp Thr Val Glu Val Gln Val Asn

210 215 220
 Gly Asn Leu Val Arg Glu Pro Asp His Met Glu Leu Glu Glu Asp Arg
 225 230 235 240
 Ala Gly Gln Leu Asn Met Arg Gly Val Phe Leu His Val Leu Gly Asp
 245 250 255
 Ala Leu Gly Ser Val Ile Val Val Val Asn Ala Leu Val Phe Tyr Phe
 260 265 270
 Ser Trp Lys Gly Cys Ser Glu Gly Asp Phe Cys Val Asn Pro Cys Phe
 275 280 285
 Pro Asp Pro Cys Lys Ala Phe Val Glu Ile Leu Ile Val Leu Met His
 290 295 300
 Gln Phe Met
 305

<210> 336
 <211> 504
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (148)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (403)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 336
 Ala Gly Ile Arg His Glu Arg Asn Arg Gly Arg Leu Leu Cys Met Leu
 1 5 10 15
 Ala Leu Thr Phe Met Phe Met Val Leu Glu Val Val Val Ser Arg Val
 20 25 30
 Thr Ser Ser Leu Ala Met Leu Ser Asp Ser Phe His Met Leu Ser Asp
 35 40 45
 Val Leu Ala Leu Val Val Ala Leu Val Ala Glu Arg Phe Ala Arg Arg
 50 55 60
 Thr His Ala Thr Gln Lys Asn Thr Phe Gly Trp Ile Arg Ala Glu Val
 65 70 75 80
 Met Gly Ala Leu Val Asn Ala Ile Phe Leu Thr Gly Leu Cys Phe Ala
 85 90 95
 Ile Leu Leu Glu Ala Ile Glu Arg Phe Ile Glu Pro His Glu Met Gln
 100 105 110
 Gln Pro Leu Val Val Leu Gly Val Gly Val Ala Gly Leu Leu Val Asn
 115 120 125
 Val Leu Gly Leu Cys Leu Phe His His His Ser Gly Phe Ser Gln Asp
 130 135 140
 Ser Gly His Xaa His Ser His Gly Gly His Gly His Gly Leu

500

<210> 337
 <211> 254
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (130)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 337
 Met Phe Thr Phe Ala Ser Met Thr Lys Glu Asp Ser Lys Leu Ile Ala
 1 5 10 15
 Leu Ile Trp Pro Ser Glu Trp Gln Met Ile Gln Lys Leu Phe Val Val
 20 25 30
 Asp His Val Ile Lys Ile Thr Arg Ile Glu Val Gly Asp Val Asn Pro
 35 40 45
 Ser Glu Thr Gln Tyr Ile Ser Glu Pro Lys Leu Cys Pro Glu Cys Arg
 50 55 60
 Glu Gly Leu Leu Cys Gln Gln Gln Arg Asp Leu Arg Glu Tyr Thr Gln
 65 70 75 80
 Ala Thr Ile Tyr Val His Lys Val Val Asp Asn Lys Lys Val Met Lys
 85 90 95
 Asp Ser Ala Pro Glu Leu Asn Val Ser Ser Ser Glu Thr Glu Glu Asp
 100 105 110
 Lys Glu Glu Ala Lys Pro Asp Gly Glu Lys Asp Pro Asp Phe Asn Gln
 115 120 125
 Ser Xaa Gly Gly Thr Lys Arg Gln Lys Ile Ser His Gln Asn Tyr Ile
 130 135 140
 Ala Tyr Gln Lys Gln Val Ile Arg Arg Ser Met Arg His Arg Lys Val
 145 150 155 160
 Arg Gly Glu Lys Ala Leu Leu Val Ser Ala Asn Gln Thr Leu Lys Glu
 165 170 175
 Leu Lys Ile Gln Ile Met His Ala Phe Ser Val Ala Pro Phe Asp Gln
 180 185 190
 Asn Leu Ser Ile Asp Gly Lys Ile Leu Ser Asp Asp Cys Ala Thr Leu
 195 200 205
 Gly Thr Leu Gly Val Ile Pro Glu Ser Val Ile Leu Leu Lys Ala Asp
 210 215 220
 Glu Pro Ile Ala Asp Tyr Ala Ala Met Asp Asp Val Met Gln Val Cys
 225 230 235 240
 Met Pro Glu Glu Gly Phe Lys Gly Thr Gly Leu Leu Gly His
 245 250

<210> 338

<211> 21
 <212> PRT
 <213> Homo sapiens

<400> 338
 Ser Ala Pro Glu Leu Asn Val Ser Ser Ser Glu Thr Glu Glu Asp Lys
 1 5 10 15
 Glu Glu Ala Lys Pro
 20

<210> 339
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 339
 Lys Glu Leu Lys Ile Gln Ile Met His Ala Phe Ser Val Ala Pro Phe
 1 5 10 15
 Asp Gln

<210> 340
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 340
 Phe Gln Asp Lys Asn Arg Pro Cys Leu Ser Asn Trp Pro Glu Asp Thr
 1 5 10 15
 Asp Val Leu Tyr Ile Val Ser Gln Phe Phe Val Glu Glu Trp Arg Lys
 20 25 30
 Phe Val Arg Lys Pro Thr Arg Cys Ser Pro Val Ser Ser Val Gly Asn
 35 40 45
 Ser Ala Leu Leu Cys Pro His Gly Gly Leu
 50 55

<210> 341
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 341
 Met Phe Thr Phe Ala Ser Met Thr Lys Glu Asp Ser Lys Leu Ile Ala
 1 5 10 15
 Leu Ile Trp Pro Ser Glu Trp Gln Met Ile Gln Lys Leu Phe Val Val
 20 25 30
 Asp His Val Ile Lys Ile Thr Arg Ile Glu
 35 40

<210> 342
 <211> 42

<212> PRT
 <213> Homo sapiens

<400> 342
 Val Gly Asp Val Asn Pro Ser Glu Thr Gln Tyr Ile Ser Glu Pro Lys
 1 5 10 15
 Leu Cys Pro Glu Cys Arg Glu Gly Leu Leu Cys Gln Gln Gln Arg Arg
 20 25 30
 Leu Arg Glu Tyr Thr Gln Ala Thr Ile Tyr
 35 40

<210> 343
 <211> 42
 <212> PRT
 <213> Homo sapiens
 <400> 343
 Val His Lys Val Val Asp Asn Lys Lys Val Met Lys Asp Ser Ala Pro
 1 5 10 15
 Glu Leu Asn Val Ser Ser Ser Glu Thr Glu Glu Asp Lys Glu Glu Ala
 20 25 30
 Lys Pro Asp Gly Glu Lys Asp Pro Asp Phe
 35 40

<210> 344
 <211> 42
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 344
 Asn Gln Ser Xaa Gly Gly Thr Lys Arg Gln Lys Ile Ser His Gln Asn
 1 5 10 15
 Tyr Ile Ala Tyr Gln Lys Gln Val Ile Arg Arg Ser Met Arg His Arg
 20 25 30
 Lys Val Arg Gly Glu Lys Ala Leu Leu Val
 35 40

<210> 345
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 345
 Ser Ala Asn Gln Thr Leu Lys Glu Leu Lys Ile Gln Ile Met His Ala
 1 5 10 15
 Phe Ser Val Ala Pro Phe Asp Gln Asn Leu Ser Ile Asp Gly Lys Ile
 20 25 30

Leu Ser Asp Asp Cys Ala Thr Leu Gly Thr
 35 40

<210> 346
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 346
 Leu Gly Val Ile Pro Glu Ser Val Ile Leu Leu Lys Ala Asp Glu Pro
 1 5 10 15
 Ile Ala Asp Tyr Ala Ala Met Asp Asp Val Met Gln Val Cys Met Pro
 20 25 30
 Glu Glu Gly Phe Lys Gly Thr Gly Leu Leu Gly His
 35 40

<210> 347
 <211> 312
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (188)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 347
 Phe Gln Asp Lys Asn Arg Pro Cys Leu Ser Asn Trp Pro Glu Asp Thr
 1 5 10 15
 Asp Val Leu Tyr Ile Val Ser Gln Phe Phe Val Glu Glu Trp Arg Lys
 20 25 30
 Phe Val Arg Lys Pro Thr Arg Cys Ser Pro Val Ser Ser Val Gly Asn
 35 40 45
 Ser Ala Leu Leu Cys Pro His Gly Gly Leu Met Phe Thr Phe Ala Ser
 50 55 60
 Met Thr Lys Glu Asp Ser Lys Leu Ile Ala Leu Ile Trp Pro Ser Glu
 65 70 75 80
 Trp Gln Met Ile Gln Lys Leu Phe Val Val Asp His Val Ile Lys Ile
 85 90 95
 Thr Arg Ile Glu Val Gly Asp Val Asn Pro Ser Glu Thr Gln Tyr Ile
 100 105 110
 Ser Glu Pro Lys Leu Cys Pro Glu Cys Arg Glu Gly Leu Leu Cys Gln
 115 120 125
 Gln Gln Arg Asp Leu Arg Glu Tyr Thr Gln Ala Thr Ile Tyr Val His
 130 135 140
 Lys Val Val Asp Asn Lys Lys Val Met Lys Asp Ser Ala Pro Glu Leu
 145 150 155 160
 Asn Val Ser Ser Ser Glu Thr Glu Glu Asp Lys Glu Glu Ala Lys Pro
 165 170 175

Asp Gly Glu Lys Asp Pro Asp Phe Asn Gln Ser Xaa Gly Gly Thr Lys
 180 185 190
 Arg Gln Lys Ile Ser His Gln Asn Tyr Ile Ala Tyr Gln Lys Gln Val
 195 200 205
 Ile Arg Arg Ser Met Arg His Arg Lys Val Arg Gly Glu Lys Ala Leu
 210 215 220
 Leu Val Ser Ala Asn Gln Thr Leu Lys Glu Leu Lys Ile Gln Ile Met
 225 230 235 240
 His Ala Phe Ser Val Ala Pro Phe Asp Gln Asn Leu Ser Ile Asp Gly
 245 250 255
 Lys Ile Leu Ser Asp Asp Cys Ala Thr Leu Gly Thr Leu Gly Val Ile
 260 265 270
 Pro Glu Ser Val Ile Leu Leu Lys Ala Asp Glu Pro Ile Ala Asp Tyr
 275 280 285
 Ala Ala Met Asp Asp Val Met Gln Val Cys Met Pro Glu Glu Gly Phe
 290 295 300
 Lys Gly Thr Gly Leu Leu Gly His
 305 310
 <210> 348
 <211> 18
 <212> PRT
 <213> Homo sapiens
 <400> 348
 Arg Gly Glu Arg Ser Glu Glu Leu Leu Gly Arg Glu Gly Leu Ser Gly
 1 5 10 15
 Ser Gln

<210> 349
 <211> 179
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (119)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>
 <221> SITE
 <222> (123)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>
 <221> SITE
 <222> (177)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <400> 349
 Ala Glu Ala Ala Glu Gly Glu Lys Gly Val Arg Ser Cys Trp Ala Gly
 1 5 10 15

Arg Asp Cys Pro Ala Pro Arg Cys Trp Ala Ser Trp Gly Ala Gln Pro
 20 25 30
 Ser Trp Asp Gly Ser Gln Val Leu Trp Arg Ser Cys Cys Cys Cys
 35 40 45
 Cys Cys Trp Pro Pro Ala Phe Ser Thr Asp Gly Arg Thr Val Thr Trp
 50 55 60
 Arg Gly Thr Val Gln Leu Gln Gly Glu Thr Glu Ser Ala Gly Pro Ser
 65 70 75 80
 Leu Gly Pro Ser Gly Gly Gly Ala Thr Trp Glu Ser Phe Thr Ile Thr
 85 90 95
 Val Ile Leu Ala Thr Tyr Leu Met Cys Arg Met Trp Ala Ser Thr Thr
 100 105 110
 Thr Thr Thr Pro Ala Thr Xaa Leu Thr Thr Xaa Thr Thr Thr Thr Thr
 115 120 125
 Pro Thr Ala Thr Ile Pro Ala Thr Leu Ala Glu Ala Ala Val Ala Gly
 130 135 140
 Ala Cys Gly Gln Gln Leu Pro Leu Pro Ser His Leu Phe Pro Gly Gln
 145 150 155 160
 Val Asp Pro Met Phe Pro Cys Gly Arg Met His Leu Trp Gly Glu Arg
 165 170 175
 Xaa Glu Gln

<210> 350
 <211> 268
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (137)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (141)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 350
 Gly Gly Gln Asp Gly His Phe Thr Ser Thr Cys Val Leu Ala Leu Pro
 1 5 10 15
 Arg His Ala Cys His Phe Trp Gly Ser Leu Gly Val Thr Val Thr Arg
 20 25 30
 Arg Ala Val Gln Pro Arg Lys Ser Thr Leu Ala Leu His Ser Pro Asn
 35 40 45

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Pro Ser Ala Leu Gln Thr Gln Cys Ser Ser Ile Leu Cys Cys His Ser
  50                      55                      60
Thr Leu Gly His Ala Met Gln Met Gln Leu Glu Gln Ala Pro Val Tyr
  65                      70                      75                      80
Cys Ser Xaa Arg Ser Pro Gln Arg Cys Ile Leu Pro His Gly Asn Met
      85                      90                      95
Gly Ser Thr Cys Pro Gly Asn Arg Trp Glu Gly Arg Gly Ser Cys Cys
  100                      105                      110
Pro Gln Ala Pro Ala Thr Ala Ala Ser Ala Ser Val Ala Gly Met Val
  115                      120                      125
Ala Val Gly Val Val Val Val Val Xaa Val Val Arg Xaa Val Ala Gly
  130                      135                      140
Val Val Val Val Val Glu Ala His Ile Arg His Met Arg Tyr Val Ala
  145                      150                      155                      160
Arg Met Thr Val Met Val Lys Asp Ser Gln Val Ala Pro Pro Pro Glu
      165                      170                      175
Gly Pro Arg Leu Gly Pro Ala Asp Ser Val Ser Pro Cys Ser Cys Thr
  180                      185                      190
Val Pro Leu His Val Thr Val Leu Pro Ser Val Glu Lys Ala Gly Gly
  195                      200                      205
Gln Gln Gln Gln Gln Gln Asp Arg His Ser Ser Thr Cys Asp Pro
  210                      215                      220
Ser His Glu Gly Cys Ala Pro Gln Glu Ala Gln His Leu Gly Ala Gly
  225                      230                      235                      240
Gln Ser Leu Ser Ala Gln Gln Leu Leu Thr Pro Phe Ser Pro Ser Ala
      245                      250                      255
Ala Ser Ala Gln Pro Ser Gln Ser Leu Asn Phe Val
      260                      265

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<210> 351
<211> 12
<212> PRT
<213> Homo sapiens

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<400> 351
Phe His Gly Leu Gly Arg Leu His Thr Val His Leu
  1                      5                      10

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<210> 352
<211> 21
<212> PRT
<213> Homo sapiens

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<400> 352
Ala Ala Phe Thr Gly Leu Ala Leu Leu Glu Gln Leu Asp Leu Ser Asp
  1                      5                      10                      15

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Asn Ala Gln Leu Arg
      20

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<210> 353
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 353
 Ala Phe Arg Gly Leu His Ser Leu Asp
 1 5

<210> 354
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 354
 His Glu Val Pro Asp Ala Pro Arg Pro Thr Pro Thr
 1 5 10

<210> 355
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 355
 Met Val Val Ala Asp Arg Asn Arg Ala Ser Ser Ser Ser Tyr Leu Cys
 1 5 10 15
 Leu Leu Leu Phe Ser Leu Ser Leu Phe Leu Cys His Glu Thr Val Cys
 20 25 30
 Asp Arg Ala Thr Cys Leu Phe Phe Phe Leu Lys Phe Phe Phe Leu Phe
 35 40 45
 Met Cys Arg Cys Met Ser Trp Gly Phe Lys Asn Phe Lys Ala Gly Leu
 50 55 60
 Leu Met Gln Ser Met Pro Thr Ser Gly Ile Leu Arg Glu Arg Lys Arg
 65 70 75 80
 Leu His Val Val Arg Ile Pro Gln Gly Thr Glu Lys Lys Leu Glu Thr
 85 90 95
 Val Glu Met Gln Ile
 100

<210> 356
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 356
 Ile Pro Gln Gly Thr Glu Lys Lys Leu Glu Thr Val
 1 5 10

<210> 357

<211> 37

<212> PRT

<213> Homo sapiens

<400> 357

Asn Pro Arg Leu Pro Leu Pro Arg Gly Gly Ser Leu Arg Leu Leu Ser
 1 5 10 15

Ser Pro Ala Asn Ser Asn Asn Ala Lys Ala Tyr Pro Phe Ser Arg Phe
 20 25 30

Pro Ser Pro Ile Phe
 35

<210> 358

<211> 48

<212> PRT

<213> Homo sapiens

<400> 358

Met Val Gln Glu Ala Pro Ala Leu Val Arg Leu Ser Leu Gly Ser His
 1 5 10 15

Arg Val Lys Gly Pro Leu Pro Val Leu Lys Leu Gln Pro Glu Gly Trp
 20 25 30

Ser Pro Ser Thr Leu Trp Ser Cys Ala Ser Val Trp Lys Asp Ser Cys
 35 40 45

<210> 359

<211> 122

<212> PRT

<213> Homo sapiens

<400> 359

Ala Leu Ala Ser Ser Leu Val Ala Glu Asn Gln Gly Phe Val Ala Ala
 1 5 10 15

Leu Met Val Gln Glu Ala Pro Ala Leu Val Arg Leu Ser Leu Gly Ser
 20 25 30

His Arg Val Lys Gly Pro Leu Pro Val Leu Lys Leu Gln Pro Glu Gly
 35 40 45

Trp Ser Pro Ser Thr Leu Trp Ser Cys Ala Ser Val Trp Lys Asp Ser
 50 55 60

Cys Met His Pro Trp Arg Leu Ser Met Cys Pro Ala Cys Val Leu Ala
 65 70 75 80

Ala Leu Pro Ala Leu Cys Ser Cys Leu Cys Ser Pro Asp Ala Arg Pro
 85 90 95

Pro His Gly Trp Met Ser Met Pro Phe Thr Pro His Pro Leu Val Ser
 100 105 110

Arg Ala Met Pro Thr Cys His Pro Cys Ser
 115 120

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<210> 360
<211> 33
<212> PRT
<213> Homo sapiens

<400> 360
Phe Tyr Phe Ile Thr Leu Ile Phe Phe Leu Ala Trp Leu Val Lys Asn
 1             5             10             15

Val Phe Ile Ala Val Ile Ile Glu Thr Phe Ala Glu Ile Arg Val Gln
                20             25             30

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Phe

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<210> 361
<211> 15
<212> PRT
<213> Homo sapiens

<400> 361
Ser Ile Phe Thr Val Tyr Glu Ala Ala Ser Gln Glu Gly Trp Val
 1             5             10             15

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<210> 362
<211> 21
<212> PRT
<213> Homo sapiens

<400> 362
His Glu Gly Thr Ser Ile Phe Thr Val Tyr Glu Ala Ala Ser Gln Glu
 1             5             10             15

Gly Trp Val Phe Leu
                20

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<210> 363
<211> 8
<212> PRT
<213> Homo sapiens

<400> 363
Cys Lys Thr Ser Phe Gly Leu Ala
 1             5

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<210> 364
<211> 122
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 364

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Met Ile Thr Leu Ser Ser Ala Phe Ser Ala Lys Gln Lys Thr His Ala
1 5 10 15

His Lys Asn Thr His Ala Cys Met Cys Ala Thr Asp Met Ala Asn Pro
20 25 30

Lys Leu Val Leu His Phe Glu Val Ile Val Ala Leu Leu Ser Leu Leu
35 40 45

Gln Thr Ile Leu Ser Leu Leu Gly Gln Arg Thr Trp Leu Ala His
50 55 60

Leu Tyr Val Leu Ser Thr Glu Asn Xaa Ala Leu His Thr Val Gly Thr
65 70 75 80

Gln Lys His Leu Leu Pro His Asp Trp Cys Phe Gly Lys His Cys Val
85 90 95

Ser Cys Arg His His Ile Phe His Arg Phe Cys Ser Ile Phe Ser Ser
100 105 110

Thr Leu Lys Arg Ser Gln Gly Phe Glu Gly
115 120

<210> 365

<211> 13

<212> PRT

<213> Homo sapiens

<400> 365

Cys Ala Ala Pro Gly Asn Lys Thr Ser His Leu Ala Ala
1 5 10

<210> 366

<211> 24

<212> PRT

<213> Homo sapiens

<400> 366

Glu His Pro Leu Tyr Arg Ala Gly His Leu Ile Leu Gln Asp Arg Ala
1 5 10 15

Ser Cys Leu Pro Ala Met Leu Leu
20

<210> 367

<211> 15

<212> PRT

<213> Homo sapiens

<400> 367

Leu Leu Asp Pro Ser Cys Ser Gly Ser Gly Met Pro Ser Arg Gln
1 5 10 15

<210> 368

<211> 23

<212> PRT

<213> Homo sapiens

<400> 368
 Tyr Ser Thr Cys Ser Leu Cys Gln Glu Asn Glu Asp Val Val Arg
 1 5 10 15

Asp Ala Leu Gln Gln Asn Pro
 20

<210> 369
 <211> 470
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (277)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (296)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (301)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (306)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (324)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (431)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 369
 Ser Ala Thr Glu His Gly Ala Val Cys Cys Ser Cys Arg Arg Val Gly
 1 5 10 15

Arg Arg Gly Glu Pro Pro Gly Ser Ile Lys Gly Leu Val Tyr Ser Ser
 20 25 30

Asn Phe Gln Asn Val Lys Gln Leu Tyr Ala Leu Val Cys Glu Thr Gln
 35 40 45

Arg Tyr Ser Ala Val Leu Asp Ala Val Ile Ala Ser Ala Gly Leu Leu
 50 55 60

Arg Ala Glu Lys Lys Leu Arg Pro His Leu Ala Lys Val Leu Val Tyr
 65 70 75 80

Glu Leu Leu Leu Gly Lys Gly Phe Arg Gly Gly Gly Arg Trp Lys
 85 90 95

Ala Leu Leu Gly Arg His Gln Ala Arg Leu Lys Ala Glu Leu Ala Arg
 100 105 110

Leu Lys Val His Arg Gly Val Ser Arg Asn Glu Asp Leu Leu Glu Val
 115 120 125
 Gly Ser Arg Pro Gly Pro Ala Ser Gln Leu Pro Arg Phe Val Arg Val
 130 135 140
 Asn Thr Leu Lys Thr Cys Ser Asp Asp Val Val Asp Tyr Phe Lys Arg
 145 150 155 160
 Gln Gly Phe Ser Tyr Gln Gly Arg Ala Ser Ser Leu Asp Asp Leu Arg
 165 170 175
 Ala Leu Lys Gly Lys His Phe Leu Leu Asp Pro Leu Met Pro Glu Leu
 180 185 190
 Leu Val Phe Pro Ala Gln Thr Asp Leu His Glu His Pro Leu Tyr Arg
 195 200 205
 Ala Gly His Leu Ile Leu Gln Asp Arg Ala Ser Cys Leu Pro Ala Met
 210 215 220
 Leu Leu Asp Pro Pro Pro Gly Ser His Val Ile Asp Ala Cys Ala Ala
 225 230 235 240
 Pro Gly Asn Lys Thr Ser His Leu Ala Ala Leu Leu Lys Asn Gln Gly
 245 250 255
 Lys Ile Phe Ala Phe Asp Leu Asp Ala Lys Arg Leu Ala Ser Met Ala
 260 265 270
 Thr Leu Leu Ala Xaa Ala Gly Val Ser Cys Cys Glu Leu Ala Glu Glu
 275 280 285
 Asp Phe Leu Ala Val Ser Pro Xaa Asp Pro Arg Tyr Xaa Glu Val His
 290 295 300
 Tyr Xaa Leu Leu Asp Pro Ser Cys Ser Gly Ser Gly Met Pro Ser Arg
 305 310 315 320
 Gln Leu Glu Xaa Pro Gly Ala Gly Thr Pro Ser Pro Val Arg Leu His
 325 330 335
 Ala Leu Ala Gly Phe Gln Gln Arg Ala Leu Cys His Ala Leu Thr Phe
 340 345 350
 Pro Ser Leu Gln Arg Leu Val Tyr Ser Thr Cys Ser Leu Cys Gln Glu
 355 360 365
 Glu Asn Glu Asp Val Val Arg Asp Ala Leu Gln Gln Asn Pro Gly Ala
 370 375 380
 Phe Arg Leu Ala Pro Ala Leu Pro Ala Trp Pro His Arg Gly Leu Ser
 385 390 395 400
 Thr Phe Pro Gly Ala Glu His Cys Leu Arg Ala Ser Pro Glu Thr Thr
 405 410 415
 Leu Ser Ser Gly Phe Phe Val Ala Val Ile Glu Arg Val Glu Xaa Pro
 420 425 430
 Ser Ser Ala Ser Gln Ala Lys Ala Ser Ala Pro Glu Arg Thr Pro Ser
 435 440 445
 Pro Ala Pro Lys Arg Lys Lys Arg Gln Gln Arg Ala Ala Ala Gly Ala
 450 455 460

Cys Thr Pro Pro Cys Thr
465 470

<210> 370
<211> 429
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (236)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (255)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (260)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (265)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (418)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 370
Tyr Glu Pro His Ser Thr His Ser Arg Glu Arg Ala Met Thr Ser His
1 5 10 15
Ala Arg Val Ser Leu Gly Pro Ser Arg Asp Pro Leu Glu Arg Pro His
20 25 30
Leu Ala Lys Val Leu Val Tyr Glu Leu Leu Leu Gly Lys Gly Phe Arg
35 40 45
Gly Gly Gly Gly Arg Trp Lys Ala Leu Leu Gly Arg His Gln Ala Arg
50 55 60
Leu Lys Ala Glu Leu Ala Arg Leu Lys Val His Arg Gly Val Ser Arg
65 70 75 80
Asn Glu Asp Leu Leu Glu Val Gly Ser Arg Pro Gly Pro Ala Ser Gln
85 90 95
Leu Pro Arg Phe Val Arg Val Asn Thr Leu Lys Thr Cys Ser Asp Asp
100 105 110
Val Val Asp Tyr Phe Lys Arg Gln Gly Phe Ser Tyr Gln Gly Arg Ala
115 120 125
Ser Ser Leu Asp Asp Leu Arg Ala Leu Lys Gly Lys His Phe Leu Leu
130 135 140
Asp Pro Leu Met Pro Glu Leu Leu Val Phe Pro Ala Gln Thr Asp Leu
145 150 155 160

His Glu His Pro Leu Tyr Arg Ala Gly His Leu Ile Leu Gln Asp Arg
 165 170 175
 Ala Ser Cys Leu Pro Ala Met Leu Leu Asp Pro Pro Pro Gly Ser His
 180 185 190
 Val Ile Asp Ala Cys Ala Ala Pro Gly Asn Lys Thr Ser His Leu Ala
 195 200 205
 Ala Leu Leu Lys Asn Gln Gly Lys Ile Phe Ala Asp Leu Asp Ala
 210 215 220
 Lys Arg Leu Ala Ser Met Ala Thr Leu Leu Ala Xaa Ala Gly Val Ser
 225 230 235 240
 Cys Cys Glu Leu Ala Glu Glu Asp Phe Leu Ala Val Ser Pro Xaa Asp
 245 250 255
 Pro Arg Tyr Xaa Glu Val His Tyr Xaa Leu Leu Asp Pro Ser Cys Ser
 260 265 270
 Gly Ser Gly Met Pro Ser Arg Gln Leu Glu Glu Pro Gly Ala Gly Thr
 275 280 285
 Pro Ser Pro Val Arg Leu His Ala Leu Ala Gly Phe Gln Gln Arg Ala
 290 295 300
 Leu Cys His Ala Leu Thr Phe Pro Ser Leu Gln Arg Leu Val Tyr Ser
 305 310 315 320
 Thr Cys Ser Leu Cys Gln Glu Glu Asn Glu Asp Val Val Arg Asp Ala
 325 330 335
 Leu Gln Gln Asn Pro Gly Ala Phe Arg Leu Ala Pro Ala Leu Pro Ala
 340 345 350
 Trp Pro His Arg Gly Leu Ser Thr Phe Pro Gly Ala Glu His Cys Leu
 355 360 365
 Arg Ala Ser Pro Glu Thr Thr Leu Ser Ser Gly Phe Phe Val Ala Val
 370 375 380
 Ile Glu Arg Val Glu Val Pro Ser Ser Ala Ser Gln Ala Lys Ala Ser
 385 390 395 400
 Ala Pro Glu Arg Thr Pro Ser Pro Ala Pro Lys Arg Lys Lys Arg Gln
 405 410 415
 Gln Xaa Ala Ala Ala Gly Ala Cys Thr Pro Pro Cys Thr
 420 425

<210> 371
 <211> 245
 <212> PRT
 <213> Homo sapiens

<400> 371
 Met Gly Thr His Ser Val Ser Gly Arg Phe Ser Lys Thr Ser Pro Pro
 1 5 10 15
 Tyr Cys Pro Pro Ser Ser Ser Leu Pro Gly Pro Ile Ser Ser Ile Gly
 20 25 30

Phe Asn Lys Ser Leu His Glu Cys Leu Phe Ile Ser Glu Lys Glu Leu
 35 40 45
 Leu Pro Leu Pro Phe Pro Phe Pro Asp Leu Lys Ser Phe Ile Ser Tyr
 50 55 60
 Leu Thr Ser Met Leu Lys Pro Gly Pro Leu Ile Val Ser Leu Lys Ile
 65 70 75 80
 Trp Val Ser Tyr Pro Ile Thr Arg Pro Arg Tyr Leu Pro Pro Met Leu
 85 90 95
 Lys Ser Leu Asn Ile Ser Phe Leu Tyr Ile Gln Tyr Ile Trp Ala Tyr
 100 105 110
 Ile His Leu Tyr Thr Ser Phe Tyr Ile Tyr Ile Ile Ser Val Ser Phe
 115 120 125
 Phe Leu Asp Lys Pro Phe Ile Tyr Val Ile Ser Phe Pro Lys Pro Pro
 130 135 140
 His Phe Leu Phe Ala Ser Leu Ser Lys Thr Gln Glu Phe His Phe His
 145 150 155 160
 Val Pro Gln His His Phe Phe Leu Ile Phe Ser Pro Gln Val Ser Ser
 165 170 175
 Pro Ile Ser Cys Phe Ala Arg Leu Leu Lys Ser Pro Leu Phe Thr Pro
 180 185 190
 Val Pro Thr Glu Ile Ser Pro Phe Tyr Asn Cys Ala Tyr Tyr Ser Ala
 195 200 205
 Asp Ile Pro Ser Pro Gln Leu Val Trp Gly Pro Ile Ser His Gln Thr
 210 215 220
 Trp Leu Leu Leu Lys Leu Gly Leu Leu Pro Lys Arg Gly Phe Gln Val
 225 230 235 240
 Arg Gly Asp Arg Leu
 245

<210> 372
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 372
 Cys Phe Ala Arg Leu Leu Lys Ser Pro Leu Phe Thr Pro Val Pro Thr
 1 5 10 15
 Glu Ile Ser Pro Phe Tyr Asn Cys Ala Tyr Tyr Ser Ala
 20 25

<210> 373
 <211> 111
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 373

Asn Arg Glu Gln Lys Ala Lys Ser Gln Leu Leu Arg Ser Gln Leu Tyr
1 5 10 15

Ser Thr Leu Asp Leu Pro Tyr Phe Phe Gln Cys Val Gly Thr Arg Cys
20 25 30

Thr Ala Val Cys Val Cys Val Cys Val Cys Val Cys Xaa Tyr
35 40 45

Leu Pro Ile His Trp Gln Val Asn Leu His Leu Val Tyr Leu Ala Met
50 55 60

Leu Cys Phe Leu Pro Ile Pro Leu Leu Ser Ile Leu Ser Pro Gln Thr
65 70 75 80

Gln Ala Ser Arg Leu Leu Asp Glu Thr Val Arg Arg Lys His Phe Leu
85 90 95

Thr Tyr Pro Phe Gly Ile Ser Ser Ile Ile Thr Gln Ala Leu Leu
100 105 110

<210> 374

<211> 51

<212> PRT

<213> Homo sapiens

<400> 374

Pro Gly Pro Glu Ala Gln Pro Trp Pro Gly Pro Asp Leu Pro Ala Val
1 5 10 15

Gly Ser Arg Gly Pro Gly Arg Leu Leu Ala Ala Val Ser Ala Pro Arg
20 25 30

Leu Gly Leu Gly Leu Ala Gly Ala Asp Pro Val Gly Pro Glu Ala Cys
35 40 45

His Leu Pro
50

<210> 375

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 375

Gly Arg Leu Arg Gly Pro Asp Glu Val Gly Ala Pro Phe His Pro Gly
1 5 10 15

Pro Ala Thr Pro Gly Leu Ala Asp Pro Leu Arg Pro Ala Glu Pro Xaa
20 25 30

His Trp Leu Pro Ser Leu Trp Gly Pro Thr
35 40

<210> 376
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 376
 Pro Gly Pro Glu Ala Gln Pro Trp Pro Gly Pro Asp Leu Pro Ala Val
 1 5 10 15

Gly Ser Arg

<210> 377
 <211> 19
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 377
 Ala Thr Pro Gly Leu Ala Asp Pro Leu Arg Pro Ala Glu Pro Xaa His
 1 5 10 15

Trp Leu Pro

<210> 378
 <211> 251
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (210)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (241)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 378
 Gln Trp Pro Glu Lys Asp Pro Val Met Ala Ala Ser Ser Ile Ser Ser
 1 5 10 15

Pro Trp Gly Lys His Val Phe Lys Ala Ile Leu Met Val Leu Val Ala
 20 25 30

Leu Ile Leu Leu His Ser Ala Leu Ala Gln Ser Arg Arg Asp Phe Ala
 35 40 45

Pro Pro Gly Gln Gln Lys Arg Glu Ala Pro Val Asp Val Leu Thr Gln
 50 55 60

Ile Gly Arg Ser Val Arg Gly Thr Leu Asp Ala Trp Ile Gly Pro Glu
 65 70 75 80

Thr Met His Leu Val Ser Glu Ser Ser Ser Gln Val Leu Trp Ala Ile
 85 90 95
 Ser Ser Ala Ile Ser Val Ala Phe Phe Ala Leu Ser Gly Ile Ala Ala
 100 105 110
 Gln Leu Leu Asn Ala Leu Gly Leu Ala Gly Asp Tyr Leu Ala Gln Gly
 115 120 125
 Leu Lys Leu Ser Pro Gly Gln Val Gln Thr Phe Leu Leu Trp Gly Ala
 130 135 140
 Gly Ala Leu Val Val Tyr Trp Leu Leu Ser Leu Leu Gly Leu Val
 145 150 155 160
 Leu Ala Leu Leu Gly Arg Ile Leu Trp Gly Leu Lys Leu Val Ile Phe
 165 170 175
 Leu Ala Gly Phe Val Ala Leu Met Arg Ser Val Pro Asp Pro Ser Thr
 180 185 190
 Arg Ala Leu Leu Leu Leu Ala Leu Leu Ile Leu Tyr Ala Leu Leu Ser
 195 200 205
 Arg Xaa Thr Gly Ser Arg Ala Ser Gly Ala Gln Leu Glu Ala Lys Val
 210 215 220
 Arg Gly Leu Glu Arg Gln Val Glu Glu Leu Arg Trp Arg Gln Arg Gln
 225 230 235 240
 Xaa Ala Lys Gly Ala Arg Ser Val Glu Glu Glu
 245 250

<210> 379
 <211> 116
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 379
 Glu Xaa Pro Arg Xaa Ile Xaa Gly Xaa Asn Ala Pro Gln Val Pro Val
 1 5 10 15
 Arg Asn Ser Arg Val Asp Pro Arg Val Arg Pro Arg Val Arg Ser Leu
 20 25 30

Val Phe Val Leu Phe Cys Asp Glu Val Arg Gln Trp Tyr Val Asn Gly
 35 40 45

Val Asn Tyr Phe Thr Asp Leu Trp Asn Val Met Asp Thr Leu Gly Leu
 50 55 60

Phe Tyr Phe Ile Ala Gly Ile Val Phe Arg Leu His Ser Ser Asn Lys
 65 70 75 80

Ser Ser Leu Tyr Ser Gly Arg Val Ile Phe Cys Leu Asp Tyr Ile Ile
 85 90 95

Phe Thr Leu Arg Leu Ile His Ile Phe Thr Val Ser Arg Asn Leu Gly
 100 105 110

Pro Lys Ile Ile
 115

<210> 380
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 380
 Asn Ile Leu Leu Val Asn Leu Leu Val Ala Met Phe
 1 5 10

<210> 381
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 381
 Gln Val Trp Lys Phe Gln Arg Tyr Phe Leu
 1 5 10

<210> 382
 <211> 316
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (166)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (176)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (200)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (294)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (296)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (306)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 382

Glu Xaa Pro Arg Xaa Ile Xaa Gly Xaa Asn Ala Pro Gln Val Pro Val
1 5 10 15

Arg Asn Ser Arg Val Asp Pro Arg Val Arg Pro Arg Val Arg Ser Leu
20 25 30

Val Phe Val Leu Phe Cys Asp Glu Val Arg Gln Trp Tyr Val Asn Gly
35 40 45

Val Asn Tyr Phe Thr Asp Leu Trp Asn Val Met Asp Thr Leu Gly Leu
50 55 60

Phe Tyr Phe Ile Ala Gly Ile Val Phe Arg Leu His Ser Ser Asn Lys
65 70 75 80

Ser Ser Leu Tyr Ser Gly Arg Val Ile Phe Cys Leu Asp Tyr Ile Ile
85 90 95

Phe Thr Leu Arg Leu Ile His Ile Phe Thr Val Ser Arg Asn Leu Gly
 100 105 110
 Pro Lys Ile Ile Met Leu Gln Arg Met Leu Ile Asp Val Xaa Xaa Phe
 115 120 125
 Leu Phe Leu Phe Ala Val Trp Met Val Ala Phe Gly Val Ala Xaa Gln
 130 135 140
 Gly Ile Leu Arg Gln Asn Glu Gln Arg Trp Arg Trp Ile Phe Arg Ser
 145 150 155 160
 Val Ile Tyr Glu Pro Xaa Leu Ala Met Phe Gly Gln Val Pro Ser Xaa
 165 170 175
 Val Asp Gly Thr Thr Tyr Asp Phe Ala His Cys Thr Phe Thr Gly Asn
 180 185 190
 Glu Ser Lys Pro Leu Cys Val Xaa Leu Asp Glu His Asn Leu Pro Arg
 195 200 205
 Phe Pro Glu Trp Ile Thr Ile Pro Leu Val Cys Ile Tyr Met Leu Ser
 210 215 220
 Thr Asn Ile Leu Leu Val Asn Leu Leu Val Ala Met Phe Gly Tyr Thr
 225 230 235 240
 Val Gly Thr Val Gln Glu Asn Asn Asp Gln Val Trp Lys Phe Gln Arg
 245 250 255
 Tyr Phe Leu Val Gln Glu Tyr Cys Ser Arg Leu Asn Ile Pro Phe Pro
 260 265 270
 Phe Ile Val Phe Ala Tyr Phe Tyr Met Val Val Lys Lys Cys Phe Lys
 275 280 285
 Cys Cys Cys Lys Glu Xaa Asn Xaa Glu Ser Ser Val Cys Cys Ser Lys
 290 295 300
 Met Xaa Thr Met Arg Leu Trp His Gly Arg Val Ser
 305 310 315

<210> 383
 <211> 129
 <212> PRT
 <213> Homo sapiens

<400> 383
 Met Glu Phe Gln Asn Met Tyr Ile Gln Leu Phe Gly Phe Ser Phe Phe
 1 5 10 15
 Ile Val Ile Ile Val Arg Met Leu Leu Gly Leu Cys Val Ser Ala
 20 25 30
 Arg Gln Pro Val Met Pro Arg Ala Thr Leu Trp Gly His Leu Ser Pro
 35 40 45
 Ala Trp Val Leu Val Pro Trp Thr Pro Arg Ala Cys Gly Gln Ala Ala
 50 55 60
 Pro Gly Arg Gly His Val Ala Ser Asp His Lys Ser Gly Leu Pro Trp
 65 70 75 80
 Pro Lys His Cys Ser Cys Leu His Pro Arg Ala Ser Gln Pro Cys Leu

	85		90		95
Phe Ser Leu Asn Ser Asn Arg Thr Val Phe Thr Ala Ile Gln Arg Val					
	100		105		110
Ala Leu Gly Trp Thr Phe Trp Val Gln Ala Asn Leu Val Pro Arg Cys					
	115		120		125

Thr

<210> 384
 <211> 417
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (90)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (109)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (121)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (135)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (137)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (139)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (188)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (205)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (223)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (249)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (252)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (322)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (348)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (402)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 384

Leu Leu Leu Cys Val Thr Gly Val Tyr Ser Tyr Gly Leu Met His Pro
1 5 10 15

Ile Pro Ser Ser Phe Met Ile Lys Ala Val Ser Ser Phe Leu Thr Ala
20 25 30

Glu Glu Ala Ser Val Gly Asn Pro Glu Gly Ala Phe Met Lys Val Leu
35 40 45

Gln Ala Arg Lys Asn Xaa Thr Ser Thr Glu Leu Ile Val Glu Pro Glu
50 55 60

Glu Pro Ser Asp Ser Ser Gly Ile Asn Leu Ser Gly Phe Gly Ser Glu
65 70 75 80

Gln Leu Asp Thr Asn Asp Glu Ser Asp Xaa Ile Ser Thr Leu Ser Tyr
85 90 95

Ile Leu Pro Tyr Phe Ser Ala Val Asn Leu Asp Val Xaa Ser Xaa Leu
100 105 110

Leu Pro Phe Ile Lys Leu Pro Thr Xaa Gly Asn Ser Leu Ala Lys Ile
115 120 125

Gln Thr Val Gly Gln Asn Xaa Gln Xaa Val Xaa Arg Val Leu Met Gly
130 135 140

Pro Arg Ser Ile Gln Lys Arg His Phe Lys Glu Val Gly Arg Gln Ser
145 150 155 160

Ile Arg Arg Glu Gln Gly Ala Gln Ala Ser Val Glu Asn Ala Ala Glu
165 170 175

Glu Lys Arg Leu Gly Ser Pro Ala Pro Arg Glu Xaa Glu Gln Pro His
 180 185 190
 Thr Gln Gln Gly Pro Glu Lys Leu Ala Gly Asn Ala Xaa Tyr Thr Lys
 195 200 205
 Pro Ser Phe Thr Gln Glu His Lys Ala Ala Val Ser Val Leu Xaa Pro
 210 215 220
 Phe Ser Lys Gly Ala Pro Ser Thr Ser Ser Pro Ala Lys Ala Leu Pro
 225 230 235 240
 Gln Val Arg Asp Arg Trp Lys Asp Xaa Thr His Xaa Ile Ser Ile Leu
 245 250 255
 Glu Ser Ala Lys Ala Arg Val Thr Asn Met Lys Ala Ser Lys Pro Ile
 260 265 270
 Ser His Ser Arg Lys Lys Tyr Arg Phe His Lys Thr Arg Ser Arg Met
 275 280 285
 Thr His Arg Thr Pro Lys Val Lys Lys Ser Pro Lys Phe Arg Lys Lys
 290 295 300
 Ser Tyr Leu Ser Arg Leu Met Leu Ala Asn Arg Pro Pro Phe Ser Ala
 305 310 315 320
 Ala Xaa Ser Leu Ile Asn Ser Pro Ser Gln Gly Ala Phe Ser Ser Leu
 325 330 335
 Gly Asp Leu Ser Pro Gln Glu Asn Pro Phe Leu Xaa Val Ser Ala Pro
 340 345 350
 Ser Glu His Phe Ile Glu Thr Thr Asn Ile Lys Asp Thr Thr Ala Arg
 355 360 365
 Asn Ala Leu Glu Glu Asn Val Phe Met Glu Asn Thr Asn Met Pro Glu
 370 375 380
 Val Thr Ile Ser Glu Asn Thr Asn Tyr Asn His Pro Pro Glu Ala Asp
 385 390 395 400
 Ser Xaa Gly Thr Ala Phe Asn Leu Gly Pro Thr Val Lys Gln Thr Glu
 405 410 415
 Thr

<210> 385

<211> 94

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 385

Cys Phe Ser Asn Ala Pro Lys Val Ser Asp Glu Ala Val Lys Lys Asp
 1 5 10 15

Ser Glu Leu Asp Lys His Leu Glu Ser Arg Val Glu Glu Ile Met Glu
 20 25 30

Lys Ser Gly Glu Glu Gly Met Pro Asp Leu Ala His Val Met Arg Ile
 35 40 45
 Leu Ser Ala Glu Asn Ile Pro Asn Leu Pro Pro Gly Gly Gly Leu Ala
 50 55 60
 Gly Xaa Arg Asn Val Ile Glu Ala Val Tyr Ser Arg Leu Asn Pro His
 65 70 75 80
 Arg Glu Ser Asp Gly Gly Ala Gly Asp Leu Glu Asp Pro Trp
 85 90

<210> 386
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 386
 Cys Phe Ser Asn Ala Pro Lys Val Ser Asp Glu Ala Val Lys Lys Asp
 1 5 10 15
 Ser Glu Leu Asp Lys His Leu Glu Ser Arg Val Glu Glu Ile Met Glu
 20 25 30
 Lys Ser Gly Glu Glu Gly Met Pro Asp Leu Ala His Val Met Arg Ile
 35 40 45
 Leu Ser Ala Glu Asn Ile Pro Asn
 50 55

<210> 387
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 387
 Arg Asn Val Ile Glu Ala Val Tyr Ser Arg Leu Asn Pro His Arg Glu
 1 5 10 15
 Ser Asp Gly Gly Ala Gly Asp Leu Glu Asp
 20 25

<210> 388
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 388
 Asp Ser Glu Leu Asp Lys His Leu Glu Ser Arg Val Glu Glu Ile Met
 1 5 10 15

<210> 389
 <211> 24
 <212> PRT

<213> Homo sapiens

<400> 389

Lys Ser Gly Glu Gly Met Pro Asp Leu Ala His Val Met Arg Ile
1 5 10 15

Leu Ser Ala Glu Asn Ile Pro Asn
20

<210> 390

<211> 9

<212> PRT

<213> Homo sapiens

<400> 390

Cys Phe Ser Asn Ala Pro Lys Val Ser
1 5

<210> 391

<211> 69

<212> PRT

<213> Homo sapiens

<400> 391

Met Ser Arg Lys Ser Leu Ala Phe Pro Ile Ile Cys Ser Tyr Leu Cys
1 5 10 15

Phe Leu Thr Val Ala Thr Cys Ser Ile Ala Cys Thr Thr Val Phe Phe
20 25 30

Ala Asn Leu Arg His Thr Arg Tyr Ile Cys Ile Glu Leu Ser Ala Leu
35 40 45

Glu Thr Ser Gly Val Ile Ser Pro Gln Ile Asn Asn Val Pro Glu Val
50 55 60

His Gly Lys Tyr Ser
65

<210> 392

<211> 16

<212> PRT

<213> Homo sapiens

<400> 392

Ile Gln Lys Met Thr Arg Val Arg Val Val Asp Asn Ser Ala Leu Gly
1 5 10 15

<210> 393

<211> 14

<212> PRT

<213> Homo sapiens

<400> 393

Pro Arg Cys Ile His Val Tyr Lys Lys Asn Gly Val Gly Lys

1

5

10

<210> 394
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 394
 Gly Asp Gln Ile Leu Leu Ala Ile Lys Gly Gln Lys Lys Lys Ala
 1 5 10 15

<210> 395
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 395
 Asn Pro Val Gly Thr Arg Ile Lys Thr Pro Ile Pro Thr Ser Leu
 1 5 10 15

<210> 396
 <211> 171
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 396
 Val Leu Ile Pro Ser Phe Ser Ser Ser Phe Leu Cys Ser Arg Gly Gly
 1 5 10 15
 Pro Leu Pro Xaa Asp Leu Ser Trp Asp Pro Met Ala Phe Phe Thr Gly
 20 25 30
 Leu Trp Gly Pro Phe Thr Cys Val Ser Arg Val Leu Ser His His Cys
 35 40 45
 Phe Ser Thr Thr Gly Ser Leu Ser Ala Ile Gln Lys Met Thr Arg Val
 50 55 60
 Arg Val Val Asp Asn Ser Ala Leu Gly Asn Ser Pro Tyr His Arg Ala
 65 70 75 80
 Pro Arg Cys Ile His Val Tyr Lys Lys Asn Gly Val Gly Lys Val Gly
 85 90 95
 Asp Gln Ile Leu Leu Ala Ile Lys Gly Gln Lys Lys Lys Ala Leu Ile
 100 105 110
 Val Gly His Cys Met Pro Gly Pro Arg Met Thr Pro Arg Phe Asp Ser
 115 120 125
 Asn Asn Val Val Leu Ile Glu Asp Asn Gly Asn Pro Val Gly Thr Arg
 130 135 140
 Ile Lys Thr Pro Ile Pro Thr Ser Leu Arg Lys Arg Glu Gly Glu Tyr
 145 150 155 160

Ser Lys Val Leu Ala Ile Ala Gln Asn Phe Val
165 170

<210> 397

<211> 171

<212> PRT

<213> Homo sapiens

<400> 397

Ala Arg Val Val Gln Pro Ala Ala Arg Ala Gly Met Trp Ala Gly Gly
1 5 10 15
Arg Ser Ser Cys Gln Ala Glu Val Leu Arg Ala Thr Arg Gly Gly Ala
20 25 30
Ala Arg Gly Asn Ala Ala Pro Gly Arg Ala Leu Glu Met Val Pro Gly
35 40 45
Ala Ala Gly Trp Cys Cys Leu Val Leu Trp Leu Pro Ala Cys Val Ala
50 55 60
Ala His Gly Phe Arg Ile His Asp Tyr Leu Tyr Phe Gln Val Leu Ser
65 70 75 80
Pro Gly Asp Ile Arg Tyr Ile Phe Thr Ala Thr Pro Ala Lys Asp Phe
85 90 95
Gly Gly Ile Phe His Thr Arg Tyr Glu Gln Ile His Leu Val Pro Ala
100 105 110
Glu Pro Pro Glu Ala Cys Gly Glu Leu Ser Asn Gly Phe Phe Ile Gln
115 120 125
Asp Gln Ile Ala Leu Val Glu Arg Gly Gly Cys Ser Phe Leu Ser Lys
130 135 140
Thr Arg Val Val Gln Glu His Gly Gly Arg Ala Val Ile Ile Ser Asp
145 150 155 160
Asn Ala Leu Thr Met Thr Ala Ser Thr Trp Arg
165 170

<210> 398

<211> 188

<212> PRT

<213> Homo sapiens

<400> 398

Met Val Pro Gly Ala Ala Gly Trp Cys Cys Leu Val Leu Trp Leu Pro
1 5 10 15
Ala Cys Val Ala Ala His Gly Phe Arg Ile His Asp Tyr Leu Tyr Phe
20 25 30
Gln Val Leu Ser Pro Gly Asp Ile Arg Tyr Ile Phe Thr Ala Thr Pro
35 40 45
Ala Lys Asp Phe Gly Gly Ile Phe His Thr Arg Tyr Glu Gln Ile His
50 55 60
Leu Val Pro Ala Glu Pro Pro Glu Ala Cys Gly Glu Leu Ser Asn Gly

65 70 75 80
 Phe Phe Ile Gln Asp Gln Ile Ala Leu Val Glu Arg Gly Gly Cys Ser
 85 90 95
 Phe Leu Ser Lys Thr Arg Val Val Gln Glu His Gly Gly Arg Ala Val
 100 105 110
 Ile Ile Ser Asp Asn Ala Val Asp Asn Asp Ser Phe Tyr Val Glu Met
 115 120 125
 Ile Gln Asp Ser Thr Gln Arg Thr Ala Asp Ile Pro Ala Leu Phe Leu
 130 135 140
 Leu Gly Arg Asp Gly Tyr Met Ile Arg Arg Ser Leu Glu Gln His Gly
 145 150 155 160
 Leu Pro Trp Ala Ile Ile Ser Ile Pro Val Asn Val Thr Ser Ile Pro
 165 170 175
 Thr Phe Glu Leu Leu Gln Pro Pro Trp Thr Phe Trp
 180 185

<210> 399

<211> 70

<212> PRT

<213> Homo sapiens

<400> 399

Val Asp Asn Asp Ser Phe Tyr Val Glu Met Ile Gln Asp Ser Thr Gln
 1 5 10 15

Arg Thr Ala Asp Ile Pro Ala Leu Phe Leu Leu Gly Arg Asp Gly Tyr
 20 25 30

Met Ile Arg Arg Ser Leu Glu Gln His Gly Leu Pro Trp Ala Ile Ile
 35 40 45

Ser Ile Pro Val Asn Val Thr Ser Ile Pro Thr Phe Glu Leu Leu Gln
 50 55 60

Pro Pro Trp Thr Phe Trp
 65 70

<210> 400

<211> 187

<212> PRT

<213> Homo sapiens

<400> 400

Ile Ala Thr Ala Ala Leu Phe Phe Phe Phe Tyr Cys Gln Val Ala Gly
 1 5 10 15

Phe Ile Gly Lys Gly Gln Ser Leu Arg Ser Trp Val Pro Gln Arg Leu
 20 25 30

Leu Gly Leu Glu Pro Gln Leu Gln Pro Met Gln Gln Ser Arg Leu Leu
 35 40 45

Leu Pro Phe Leu Phe Phe Leu Leu Glu Gly Cys Ala Pro Ser Ser Leu
 50 55 60

Gly Pro Gly Ala Ala Pro Gly Ser Gly His Ser Leu Gly Pro Pro Gly
65 70 75 80

Ser Pro Gly Ala Pro Gly Pro Gln Pro Ala Val Gly Pro Ser Ser Pro
85 90 95

Cys Gln Pro Gly Pro Ser Pro Ser Ser Pro Ala Ala Ala Ala Ser
100 105 110

Ser Gln Ser Ser Val Ala Ser Trp Pro Cys Thr Leu Arg Cys Ala Ala
115 120 125

Pro Ser Pro Asp Ala Ser Ala Leu Arg Pro Ala Ala Ser Pro Ala Ala
130 135 140

Thr Pro Ala Trp Ser Pro Gly Ser Gly Thr Ile Arg Val Leu Arg Pro
145 150 155 160

Pro Ala Pro Ala Ala Ala Pro Ala Thr Ala Ile Thr Asn Arg Gly Pro
165 170 175

Pro Arg Arg Arg Arg Arg Asn Ala Arg Thr Ala
180 185

<210> 401

<211> 194

<212> PRT

<213> Homo sapiens

<400> 401

Glu Arg Pro Pro Pro Arg Arg Thr Gly Thr Pro Val Ala Arg Pro Arg
1 5 10 15

Gly Pro Pro Asp Pro Ala Val Ala Ala Gly Thr Ala Leu Arg Ala Lys
20 25 30

Gln Phe Ala Arg Tyr Gly Ala Ala Ser Gly Val Val Pro Gly Ser Leu
35 40 45

Trp Pro Ser Pro Glu Gln Leu Arg Glu Leu Glu Ala Glu Glu Arg Glu
50 55 60

Trp Tyr Pro Ser Leu Ala Thr Met Gln Glu Ser Leu Arg Val Lys Gln
65 70 75 80

Leu Ala Glu Glu Gln Lys Arg Arg Glu Arg Glu Gln His Ile Ala Glu
85 90 95

Cys Met Ala Lys Met Pro Gln Met Ile Val Asn Trp Gln Gln Gln Gln
100 105 110

Arg Glu Asn Trp Glu Lys Ala Gln Ala Asp Lys Glu Arg Arg Ala Arg
115 120 125

Leu Gln Ala Glu Ala Gln Glu Leu Leu Gly Tyr Gln Val Asp Pro Arg
130 135 140

Ser Ala Arg Phe Gln Glu Leu Leu Gln Asp Leu Glu Lys Lys Glu Arg
145 150 155 160

Asn Pro Gln Gly Gly Lys Thr Glu Thr Glu Glu Gly Gly Ala Thr Ala
165 170 175

Ala Leu Ala Ala Ala Val Ala Gln Asp Pro Ala Ala Ser Gly Ala Pro

180

185

190

Ser Ser

<210> 402

<211> 124

<212> PRT

<213> Homo sapiens

<400> 402

Met Gln Glu Ser Leu Arg Val Lys Gln Leu Ala Glu Glu Gln Lys Arg
1 5 10 15Arg Glu Arg Glu Gln His Ile Ala Glu Cys Met Ala Lys Met Pro Gln
20 25 30Met Ile Val Asn Trp Gln Gln Gln Gln Arg Glu Asn Trp Glu Lys Ala
35 40 45Gln Ala Asp Lys Glu Arg Arg Ala Arg Leu Gln Ala Glu Ala Gln Glu
50 55 60Leu Leu Gly Tyr Gln Val Asp Pro Arg Ser Ala Arg Phe Gln Glu Leu
65 70 75 80Leu Gln Asp Leu Glu Lys Lys Glu Arg Lys Arg Leu Lys Glu Glu Lys
85 90 95Gln Lys Arg Lys Lys Glu Ala Arg Ala Ala Ala Leu Ala Ala Val
100 105 110Ala Gln Asp Pro Ala Ala Ser Gly Ala Pro Ser Ser
115 120

<210> 403

<211> 113

<212> PRT

<213> Homo sapiens

<400> 403

Tyr Gln Ser Leu Ala Glu Thr Gln Gln Lys Lys Glu Asn Phe Arg Pro
1 5 10 15Ile Ser Leu Lys Asn Thr Asp Ala Lys Ile Leu Asn Lys Ile Leu Ala
20 25 30Asn Gln Ile Gln Gln His Ile Lys Lys Leu Ile His Asn Asp Arg Val
35 40 45Gly Phe Ile Pro Glu Met Gln Gly Trp Phe Asn Ile Cys Lys Ser Ile
50 55 60Asn Ile Val His His Ile Asn Arg Thr Lys Asp Lys Asn His Met Ile
65 70 75 80Ile Ser Ile Asp Ala Glu Lys Ala Phe Asp Lys Ile Arg Gln Ser Phe
85 90 95Met Leu Lys Thr Leu Asn Lys Leu Gly Ile His Gly Met Tyr Leu Gly
100 105 110

Arg

<210> 404
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 404
 Lys Lys Glu Asn Phe Arg Pro Ile Ser Leu Lys Asn Thr Asp Ala Lys
 1 5 10 15
 Ile Leu Asn Lys Ile Leu Ala Asn Gln Ile Gln Gln His Ile Lys Lys
 20 25 30
 Leu Ile His Asn Asp Arg Val Gly Phe Ile Pro Glu Met Gln Gly Trp
 35 40 45
 Phe Asn Ile Cys Lys Ser Ile Asn Ile Val His His Ile Asn Arg Thr
 50 55 60
 Lys Asp Lys Asn His Met Ile Ile Ser Ile Asp Ala Glu Lys Ala Phe
 65 70 75 80
 Asp Lys Ile Arg Gln Ser Phe Met Leu Lys Thr Leu Asn Lys Leu Gly
 85 90 95
 Ile His Gly Met Tyr
 100

<210> 405
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 405
 Asp Ala Lys Ile Leu Asn Lys Ile Leu Ala Asn
 1 5 10

<210> 406
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 406
 Ile Gln Gln His Ile Lys Lys Leu Ile His
 1 5 10

<210> 407
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 407
 Lys Asp Lys Asn His Met Ile Ile Ser Ile Asp Ala Glu Lys Ala Phe
 1 5 10 15
 Asp Lys Ile

<210> 408
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 408
 Met Leu Lys Thr Leu Asn Lys Leu Gly Ile
 1 5 10

<210> 409
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 409
 Lys Lys Glu Asn Phe Arg Pro Ile Ser Leu
 1 5 10

<210> 410
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 410
 Trp Thr Met Phe Ile Asp Leu His Met Leu Asn Gln Pro Cys Ile Ser
 1 5 10 15
 Gly Met Lys Pro Thr Arg Ser Leu Trp Ile Ser Phe Leu Met Cys Cys
 20 25 30
 Trp Ile Trp Phe Ala Asn Ile Leu Leu Arg Ile Phe Ala Ser Val Phe
 35 40 45
 Phe Arg Asp Ile Gly Leu Lys Phe Ser Phe Phe Cys Cys Val Ser Ala
 50 55 60
 Arg Leu Trp Tyr Gln Asp Ala Gly Leu Ile Asn Glu Leu Gly Arg
 65 70 75 80
 Ile Pro Ser Phe Tyr
 85

<210> 411
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 411
 Glu Arg Pro Glu Glu Gly Thr Glu Pro Ser Pro Ser Pro Val Ala Glu
 1 5 10 15
 Gln Ala Ser Val Ser Met Thr Pro Val Phe Arg Ala Trp Gly Leu Trp
 20 25 30
 Val Tyr Val Leu Pro Thr Gly Phe Pro Gly Pro Cys Cys Met Met Leu
 35 40 45

Leu Glu Leu Phe Pro Lys Glu Ser Val Pro Gln Ala Tyr Gln Gly Ile
 50 55 60

Leu Leu Tyr Leu His Phe Gly Phe
 65 70

<210> 412
 <211> 123
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (106)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 412
 Arg Gly Glu Val Pro His Gln Pro His Pro Thr Arg Arg Thr Val Val
 1 5 10 15

Ser Gly Gln Ala Pro Trp Xaa Pro Gly Pro Xaa Ala Leu Gly Gln Xaa
 20 25 30

Val Glu Thr Ala Ala Gly Met Gly Met Pro Leu Val Thr Val Thr Ala
 35 40 45

Ala Thr Phe Pro Thr Leu Ser Cys Pro Pro Arg Ala Trp Pro Glu Val
 50 55 60

Glu Ala Pro Glu Ala Pro Ala Leu Pro Val Val Pro Glu Leu Pro Glu
 65 70 75 80

Val Pro Met Glu Met Pro Leu Val Leu Pro Pro Glu Leu Glu Leu Leu
 85 90 95

Ser Leu Glu Ala Val His Arg Tyr Gln Xaa Gly Gly Thr Leu Met Gly
 100 105 110

Trp Thr Arg Ala Glu Ala Ser Ala Asn Gly Ser
 115 120

<210> 413
 <211> 133
 <212> PRT
 <213> Homo sapiens

<400> 413
 Met Val Leu Asp Pro Tyr Arg Ala Val Ala Leu Glu Leu Gln Ala Asn
 1 5 10 15
 Arg Glu Pro Asp Phe Ser Ser Leu Val Ser Pro Leu Ser Pro Arg Arg
 20 25 30
 Met Ala Ala Arg Val Phe Tyr Leu Leu Leu Gly Glu Cys Met His Val
 35 40 45
 Cys Val Cys Met Trp Gly Arg Asp Thr Glu Thr Arg Gly Pro Tyr Arg
 50 55 60
 Asp Ser Pro Asp Leu Pro Ser Pro Arg Leu Leu Thr Ser Ala Leu Ser
 65 70 75 80
 Ala Thr Asp Ser Ser Arg Glu Thr Arg Lys Ala Ile Trp Ser Pro Pro
 85 90 95
 Asp Pro Ala Gly Ala Gln Ile Pro Leu Arg Leu Glu Ser Ile Tyr Lys
 100 105 110
 Ala Ala Arg Lys Pro Ala Thr Ser Lys Pro Arg Ala Ser Leu
 115 120 125
 Lys Lys Lys Lys Lys
 130

<210> 414
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 414
 Ala Phe Arg Asn Leu Pro Asn Leu Arg Ile Leu
 1 5 10

<210> 415
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 415
 Ala Phe Gln Gly Leu Phe His Leu Phe Glu Leu Arg Leu
 1 5 10

<210> 416
 <211> 206
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 416
 Asn Lys Xaa Ile Leu Glu Val Pro Ser Ala Arg Thr Thr Arg Ile Met
 1 5 10 15

Gly Asp His Leu Asp Leu Leu Leu Gly Val Val Leu Met Ala Gly Pro
 20 25 30
 Val Phe Gly Ile Pro Ser Cys Ser Phe Asp Gly Arg Ile Ala Phe Tyr
 35 40 45
 Arg Phe Cys Asn Leu Thr Gln Val Pro Gln Val Leu Asn Thr Thr Glu
 50 55 60
 Arg Leu Leu Leu Ser Phe Asn Tyr Ile Arg Thr Val Thr Ala Ser Ser
 65 70 75 80
 Phe Pro Phe Leu Glu Gln Leu Gln Leu Leu Glu Leu Gly Ser Gln Tyr
 85 90 95
 Thr Pro Leu Thr Ile Asp Lys Glu Ala Phe Arg Asn Leu Pro Asn Leu
 100 105 110
 Arg Ile Leu Asp Leu Gly Ser Ser Lys Ile Tyr Phe Leu His Pro Asp
 115 120 125
 Ala Phe Gln Gly Leu Phe His Leu Phe Glu Leu Arg Leu Tyr Phe Cys
 130 135 140
 Gly Leu Ser Asp Ala Val Leu Lys Asp Gly Tyr Phe Arg Asn Leu Lys
 145 150 155 160
 Ala Leu Thr Arg Leu Asp Leu Ser Lys Asn Gln Ile Arg Ser Leu Tyr
 165 170 175
 Leu His Pro Ser Phe Gly Lys Leu Asn Ser Leu Lys Ser Ile Asp Phe
 180 185 190
 Ser Ser Asn Gln Ile Phe Leu Val Cys Glu His Glu Leu Glu
 195 200 205

<210> 417
 <211> 261
 <212> PRT
 <213> Homo sapiens

<400> 417
 Ala His Ala Ala Leu Gln Leu Ser Leu Arg Thr Cys Gly Pro Cys Ser
 1 5 10 15
 Ser Pro Tyr Pro His Ala Gly Leu Ala Ala Leu Leu Thr His Met Trp
 20 25 30
 Ala Leu Gln Leu Ser Leu Pro Thr Cys Gly Leu Ala Ala Leu Leu Thr
 35 40 45
 His Met Arg Pro Cys Ser Ser Pro Tyr Pro His Ala Gly Leu Ala Ala
 50 55 60
 Leu Leu Thr His Met Gly Pro Cys Arg Ser Pro Tyr Pro His Gly Gly
 65 70 75 80
 Leu Ala Ala Val Leu Thr His Met Arg Ala Leu Gln Leu Ser Leu Pro
 85 90 95
 Thr Trp Gly Leu Ala Ala Leu Leu Thr His Met Arg Pro Cys Ser Ser
 100 105 110
 Pro Tyr Pro His Ala Gly Leu Ala Cys Cys Trp Leu Trp Ser Leu Ser

115 120 125
 Ser His Arg Ser Leu Gln Val Gln Ala Thr His Arg Leu Val Val Arg
 130 135 140
 Thr Ile Lys Asp Arg Val Met Leu Lys Val Leu Pro Gln Thr Arg Arg
 145 150 155 160
 Arg Gly Pro Phe Leu Ser Ser Cys Arg Asn Asp Val Met Arg Asn Cys
 165 170 175
 Val Pro Arg His Ala Val Leu Val Thr Thr Cys Val Phe Val Ser Phe
 180 185 190
 Pro Thr His Cys Lys Val Gly Ile Thr Gly Pro Ile Thr Gln Val Lys
 195 200 205
 Gln Lys Pro Gly Asn His Ser Ser Pro Cys Pro Val Ile Gln Leu Val
 210 215 220
 Ala Lys Ala Glu Phe Glu Leu Met Leu Pro Ser Val Pro Lys Pro Val
 225 230 235 240
 Tyr Leu Thr Leu Val Leu Ser Cys Trp Cys Leu Cys Asp Val Pro Cys
 245 250 255
 Leu Ser Val Ser Leu
 260

<210> 418
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 418
 Leu Ala Cys Cys Trp Leu Trp Ser Leu Ser Ser His Arg Ser Leu Gln
 1 5 10 15
 Val

<210> 419
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 419
 Glu Ile Gly Ser His Ser Val Ala Gln Ala Gly Leu Glu Leu Pro Gly
 1 5 10 15
 Ser Ser Asp Pro Pro Thr Ser Gly Ser Gln Ser Ala Gly Ile Thr Gly
 20 25 30
 Val Ser Gln Gly Thr Gln Pro Ser Val Asp Leu Cys Gln Glu Glu Pro
 35 40 45
 Ala Gly Ala Asp Gln Pro His Gly Ser Leu Gln
 50 55

<210> 420

<211> 67
 <212> PRT
 <213> Homo sapiens

<400> 420
 Met Gly Glu Ala Ser Pro Pro Ala Pro Ala Arg Arg His Leu Leu Val
 1 5 10 15
 Leu Leu Leu Leu Ser Thr Leu Val Ile Pro Ser Ala Ala Pro
 20 25 30
 Ile His Asp Ala Asp Ala Gln Glu Ser Ser Leu Gly Leu Thr Gly Leu
 35 40 45
 Gln Ser Leu Leu Gln Gly Phe Ser Arg Leu Phe Leu Lys Val Thr Cys
 50 55 60
 Phe Gly Ala
 65

<210> 421
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 421
 Met Leu Val Val Ser Thr Val Ile Ile Val Phe Trp Glu Phe Ile Asn
 1 5 10 15
 Ser Thr Glu Gly Ser Phe Leu Trp Ile Tyr His Ser Lys Asn Pro Glu
 20 25 30
 Val Asp Asp Ser Ser Ala Gln Lys Gly Trp Trp Phe Leu Ser Trp Phe
 35 40 45
 Asn Asn Gly Ile His Asn Tyr Gln Gln Gly Glu Glu Asp Ile Asp Lys
 50 55 60
 Glu Lys Gly Arg Glu Thr Lys Gly Arg Lys Met Thr Gln Gln Ser
 65 70 75 80
 Phe Gly Tyr Gly Thr Gly Leu Ile Gln Thr
 85 90

<210> 422
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 422
 Phe Pro Gly Arg Thr His Ala Ser Gly Asn Val Lys Gly Lys Val Ile
 1 5 10 15
 Leu Ser

<210> 423
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 423

Ala Asp Gln Glu Lys 5 Ile Arg Asn Val Lys 10 Gly Lys Val Ile Leu Ser 15
 1 5 10 15
 Met Leu Val Val Ser Thr Val Ile Ile Val Phe Trp Glu Phe Ile Asn 20 25 30
 20 25 30
 Ser Thr Glu Gly Ser Phe Leu Trp Ile Tyr His Ser Lys Asn Pro Glu 35 40 45
 35 40 45
 Val Asp Asp Ser Ser Ala Gln Lys Gly Trp Trp Phe Leu Ser Trp Phe 50 55 60
 50 55 60
 Asn Asn Gly Ile His Asn Tyr Gln Gln Gly Glu Glu Asp Ile Asp Lys 65 70 75 80
 65 70 75 80
 Glu Lys Gly Arg Glu Glu Thr Lys Gly Arg Lys Met Thr Gln Gln Ser 85 90 95
 85 90 95
 Phe Gly Tyr Gly Thr Gly Leu Ile Gln Thr 100 105
 100 105

<210> 424

<211> 236

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 424

Met Gln Ser Pro Leu Val Glu Cys Pro Pro Pro Ser Ile His Tyr Trp 1 5 10 15
 1 5 10 15
 Pro Ser Val Pro Ala Gly Ala Gln Gly Ala Cys Ser Pro Met Phe His 20 25 30
 20 25 30
 Ala Ala Gly Trp Ser Arg Ser Gln Pro Asn Gly Glu Ile Pro Ala Ser 35 40 45
 35 40 45
 Ser Xaa Gly His Leu Ser Ile Gln Arg Ala Ala Leu Val Val Leu Glu 50 55 60
 50 55 60
 Asn Tyr Tyr Lys Asp Phe Thr Ile Tyr Asn Pro Asn Leu Leu Thr Ala 65 70 75 80
 65 70 75 80
 Ser Lys Phe Arg Ala Ala Lys His Met Ala Gly Leu Lys Val Tyr Asn 85 90 95
 85 90 95
 Val Asp Gly Pro Ser Asn Asn Ala Thr Gly Gln Ser Arg Ala Met Ile 100 105 110
 100 105 110
 Ala Ala Ala Ala Arg Arg Arg Asp Ser Ser His Asn Glu Leu Tyr Tyr 115 120 125
 115 120 125
 Glu Glu Ala Glu His Glu Arg Arg Val Lys Lys Arg Lys Ala Arg Leu 130 135 140
 130 135 140
 Val Val Ala Val Glu Glu Ala Phe Ile His Ile Gln Arg Leu Gln Ala 145 150 155 160
 145 150 155 160

Glu Glu Gln Gln Lys Ala Pro Gly Glu Val Met Asp Pro Arg Glu Ala
 165 170
 Ala Gln Ala Ile Phe Pro Ser Met Ala Arg Ala Leu Gln Lys Tyr Leu
 180 185 190
 Arg Ile Thr Arg Gln Gln Asn Tyr His Ser Met Glu Ser Ile Leu Gln
 195 200 205
 Ala Pro Gly Leu Leu His His Gln Arg His Asp Pro Gln Gly Leu Pro
 210 215 220
 Arg Thr Val Pro Gln Cys Gly Pro His Pro Ala Ile
 225 230 235

<210> 425
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 425
 Leu Ser Ile Gln Arg Ala Ala Leu Val Val Leu Glu Asn Tyr Tyr Lys
 1 5 10 15

Asp Phe Thr Ile Tyr Asn Pro
 20

<210> 426
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 426
 Asp Ser Ser His Asn Glu Leu Tyr Tyr Glu Glu Ala Glu His Glu
 1 5 10 15

<210> 427
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 427
 Phe Pro Ser Met Ala Arg Ala Leu Gln Lys Tyr Leu Arg Ile Thr Arg
 1 5 10 15

Gln Gln

<210> 428
 <211> 140
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (117)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 428

Met Ala Phe Lys Leu Leu Ile Leu Leu Ile Gly Thr Trp Ala Leu Phe
 1 5 10 15

Phe Arg Lys Arg Arg Ala Asp Met Pro Arg Val Phe Val Phe Arg Ala
 20 25 30

Leu Leu Leu Val Leu Ile Phe Leu Phe Cys Gly Phe Pro Ile Gly Phe
 35 40 45

Phe Thr Gly Ser Ala Phe Trp Thr Leu Gly Asn Arg Asn Tyr Gln Gly
 50 55 60

Ile Val Gln Tyr Ala Val Ser Pro Cys Gly Met Pro Ser Ser Phe His
 65 70 75 80

Pro Leu Leu Ala Ile Arg Pro Cys Trp Ser Ser Gly Ser Leu Gln Pro
 85 90 95

Asn Val Pro Arg Cys Arg Leu Val Pro Leu Pro Thr Glu Trp Gly Asn
 100 105 110

Pro Arg Phe Gln Xaa Gly Thr Pro Glu Tyr Pro Ala Ser Ile Gly
 115 120 125

Gly Pro Arg Lys Leu Leu Gln Arg Phe His His Leu
 130 135 140

<210> 429

<211> 49

<212> PRT

<213> Homo sapiens

<400> 429

Met Gln Ser Pro Leu Trp Met Pro Ser Ser Ser Ser Ile Thr Trp Pro
 1 5 10 15

Ser Ser Cys Trp Ser Ser Gly Ser Cys Ser Pro Cys Ser Arg Cys Arg
 20 25 30

Trp Ser Arg Ser Thr Asp Gly Glu Ser Arg Phe Tyr Ser Leu Gly His
 35 40 45

Leu

<210> 430

<211> 303

<212> PRT

<213> Homo sapiens

<400> 430

Met Gln Ser Pro Leu Trp Met Pro Ser Ser Ser Ser Ile Thr Trp Pro
 1 5 10 15

Ser Ser Cys Trp Ser Ser Gly Ser Cys Ser Pro Cys Ser Arg Cys Arg
 20 25 30

Trp Ser Arg Ser Thr Asp Gly Glu Ser Arg Phe Tyr Ser Leu Gly His
 35 40 45

Leu Ser Ile Gln Arg Ala Ala Leu Val Val Leu Glu Asn Tyr Tyr Lys

50 55 60
 Asp Phe Thr Ile Tyr Asn Pro Asn Leu Leu Thr Ala Ser Lys Phe Arg
 65 70 75 80
 Ala Ala Lys His Met Ala Gly Leu Lys Val Tyr Asn Val Asp Gly Pro
 85 90 95
 Ser Asn Asn Ala Thr Gly Gln Ser Arg Ala Met Ile Ala Ala Ala
 100 105 110
 Arg Arg Arg Asp Ser Ser His Asn Glu Leu Tyr Tyr Glu Glu Ala Glu
 115 120 125
 His Glu Arg Arg Val Lys Lys Arg Lys Ala Arg Leu Val Val Ala Val
 130 135 140
 Glu Glu Ala Phe Ile His Ile Gln Arg Leu Gln Ala Glu Glu Gln Gln
 145 150 155 160
 Lys Ala Pro Gly Glu Val Met Asp Pro Arg Glu Ala Ala Gln Ala Ile
 165 170 175
 Phe Pro Ser Met Ala Arg Ala Leu Gln Lys Tyr Leu Arg Ile Thr Arg
 180 185 190
 Gln Gln Asn Tyr His Ser Met Glu Ser Ile Leu Gln His Leu Ala Phe
 195 200 205
 Cys Ile Thr Asn Gly Met Thr Pro Lys Ala Phe Leu Glu Arg Tyr Leu
 210 215 220
 Ser Ala Gly Pro Thr Leu Gln Tyr Asp Lys Asp Arg Trp Leu Ser Thr
 225 230 235 240
 Gln Trp Arg Leu Val Ser Asp Glu Ala Leu Thr Asn Gly Leu Arg Asp
 245 250 255
 Gly Ile Val Phe Val Leu Lys Cys Leu Asp Phe Ser Leu Val Val Asn
 260 265 270
 Val Lys Lys Ile Pro Phe Ile Ile Leu Ser Glu Glu Phe Ile Asp Pro
 275 280 285
 Lys Ser His Lys Phe Val Leu Arg Leu Gln Ser Glu Thr Ser Val
 290 295 300

<210> 431
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 431
 Met Pro Arg Val Phe Val Phe Arg Ala Leu Leu Val Leu Ile Phe
 1 5 10 15
 Leu Phe Val Val Ser Tyr Trp Leu Phe Tyr Gly Val Arg Ile Leu Asp
 20 25 30
 Ser Arg Asp Arg Asn Tyr Gln Gly Ile Val Gln Tyr Ala Val Ser Leu
 35 40 45
 Val Asp Ala Leu Leu Phe Ile His Tyr Leu Ala Ile Val Leu Leu Glu
 50 55 60

Leu Arg Gln Leu Gln Pro Met Phe Thr Leu Gln Val Val Arg Ser Thr
65 70 75 80

Asp Gly Glu Ser Arg Phe Tyr Ser Leu Gly His Leu
85 90

<210> 432

<211> 114

<212> PRT

<213> Homo sapiens

<400> 432

Met Ala Phe Lys Leu Leu Ile Leu Leu Ile Gly Thr Trp Ala Leu Phe
1 5 10 15

Phe Arg Lys Arg Arg Ala Asp Met Pro Arg Val Phe Val Phe Arg Ala
20 25 30

Leu Leu Leu Val Leu Ile Phe Leu Phe Val Val Ser Tyr Trp Leu Phe
35 40 45

Tyr Gly Val Arg Ile Leu Asp Ser Arg Asp Arg Asn Tyr Gln Gly Ile
50 55 60

Val Gln Tyr Ala Val Ser Leu Val Asp Ala Leu Leu Phe Ile His Tyr
65 70 75 80

Leu Ala Ile Val Leu Leu Glu Leu Arg Gln Leu Gln Pro Met Phe Thr
85 90 95

Leu Gln Val Val Arg Ser Thr Asp Gly Glu Ser Arg Phe Tyr Ser Leu
100 105 110

Gly His

<210> 433

<211> 37

<212> PRT

<213> Homo sapiens

<400> 433

Met Gly Leu Pro Val Ser Trp Ala Pro Pro Ala Leu Trp Val Leu Gly
1 5 10 15

Cys Cys Ala Leu Leu Leu Ser Leu Trp Ala Leu Cys Thr Ala Cys Arg
20 25 30

Ser Pro Arg Thr Leu
35

<210> 434

<211> 20

<212> PRT

<213> Homo sapiens

<400> 434

Ile Tyr Gly Lys Thr Gly Gln Pro Asp Lys Ile Tyr Val Glu Leu His
1 5 10 15

Gln Asn Ser Pro
20

<210> 435
<211> 16
<212> PRT
<213> Homo sapiens

<400> 435
Phe Leu Glu Pro Leu Ser Gly Leu Tyr Thr Cys Thr Leu Ser Tyr Lys
1 5 10 15

<210> 436
<211> 16
<212> PRT
<213> Homo sapiens

<400> 436
Leu Gln Val Val Arg Leu Asp Ser Cys Arg Pro Gly Phe Gly Lys Asn
1 5 10 15

<210> 437
<211> 12
<212> PRT
<213> Homo sapiens

<400> 437
Cys Val Ser Val Leu Thr Tyr Gly Ala Lys Ser Cys
1 5 10

<210> 438
<211> 26
<212> PRT
<213> Homo sapiens

<400> 438
Lys Asn Asn Trp Trp Gln Gly Val Val Val Leu Ala Cys Asn Pro Ser
1 5 10 15

Thr Leu Gly Asp Arg Gly Ser Trp Ile Thr
20 25

<210> 439
<211> 17
<212> PRT
<213> Homo sapiens

<400> 439
Gly Gln Glu Phe Glu Thr Arg Leu Thr Asn Ile Val Lys Leu Arg Leu

1 5 10 15
Tyr

<210> 440
<211> 24
<212> PRT
<213> Homo sapiens

<400> 440
Ser Cys Leu Gly Leu Pro Lys Cys Trp Asp Tyr Arg Gln Glu Pro Pro
1 5 10 15
His Pro Ala Thr Ser Tyr Phe Leu
20

<210> 441
<211> 308
<212> PRT
<213> Homo sapiens

<400> 441
Pro Ala Lys Gly Glu Gly Cys Arg Arg Leu His Asp His Pro His Ile
1 5 10 15
Trp Arg Leu Leu Trp Ala His Ser Asp Pro Asp Pro Leu Pro Thr Gln
20 25 30
Pro Arg Ala Glu Gln Gly Glu Thr Glu Phe Cys Val Pro Val Gly Pro
35 40 45
Leu Cys His Asp Trp His Pro Leu Pro Val Asp Val Leu Ala Gln Leu
50 55 60
Gln Leu Ser His Ile Leu Pro Trp Gly Gln Pro Ala Pro Ser Arg His
65 70 75 80
Gln His Leu Leu Leu Leu Gly Ser Leu Arg Ala Tyr Leu Gly Gly Asn
85 90 95
Ile Gln Cys Pro Ala Lys Lys Gly Lys Leu Asp Met Val His Ile Gln
100 105 110
Asn Ala Thr Leu Ala Gly Gly Val Ala Val Gly Thr Ala Ala Glu Met
115 120 125
Met Leu Met Pro Tyr Gly Ala Leu Ile Ile Gly Phe Val Cys Gly Ile
130 135 140
Ile Ser Thr Leu Gly Phe Val Tyr Leu Thr Pro Phe Leu Glu Ser Arg
145 150 155 160
Leu His Ile Gln Asp Thr Cys Gly Ile Asn Asn Leu His Gly Ile Pro
165 170 175
Gly Ile Ile Gly Gly Ile Val Gly Ala Val Thr Ala Ala Ser Ala Ser
180 185 190
Leu Glu Val Tyr Gly Lys Glu Gly Leu Val His Ser Phe Asp Phe Gln
195 200 205

Gly Phe Asn Gly Asp Trp Thr Ala Arg Thr Gln Gly Lys Phe Gln Ile
 210 215 220
 Tyr Gly Leu Leu Val Thr Leu Ala Met Ala Leu Met Gly Gly Ile Ile
 225 230 235 240
 Val Gly Leu Ile Leu Arg Leu Pro Phe Trp Gly Gln Pro Ser Asp Glu
 245 250 255
 Asn Cys Phe Glu Asp Ala Val Tyr Trp Glu Met Pro Glu Gly Asn Ser
 260 265 270
 Thr Val Tyr Ile Pro Glu Asp Pro Thr Phe Lys Pro Ser Gly Pro Ser
 275 280 285
 Val Pro Ser Val Pro Met Val Ser Pro Leu Pro Met Ala Ser Ser Val
 290 295 300
 Pro Leu Val Pro
 305

<210> 442
 <211> 145
 <212> PRT
 <213> Homo sapiens

<400> 442
 Met Thr Phe Phe Gln Val Thr Leu Phe Ala Val Asn Glu Phe Ile Leu
 1 5 10 15
 Leu Asn Leu Leu Lys Val Lys Asp Ala Gly Gly Ser Met Thr Ile His
 20 25 30
 Thr Phe Gly Ala Tyr Phe Gly Leu Thr Val Thr Arg Ile Leu Tyr Arg
 35 40 45
 Arg Asn Leu Glu Gln Ser Lys Glu Arg Gln Asn Ser Val Tyr Gln Ser
 50 55 60
 Asp Leu Phe Ala Met Ile Gly Thr Leu Phe Leu Trp Met Tyr Trp Pro
 65 70 75 80
 Ser Phe Asn Ser Ala Ile Ser Tyr His Gly Asp Ser Gln His Arg Ala
 85 90 95
 Ala Ile Asn Thr Tyr Cys Ser Leu Ala Ala Cys Val Leu Thr Ser Val
 100 105 110
 Ala Ile Ser Ser Ala Leu His Lys Lys Gly Lys Leu Asp Met Val His
 115 120 125
 Ile Gln Asn Ala Thr Leu Ala Gly Gly Val Ala Val Gly Thr Ala Ala
 130 135 140
 Glu
 145

<210> 443
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 443
Pro Arg Val Arg Thr Arg Ala Pro Val Val Pro Pro Ala Gly His Arg
1 5 10 15

Ala Leu Ser Pro Ala Gly Val Leu Leu Ala Val Pro Ala Met Leu Ser
20 25 30

Leu Asp Phe Leu Asp Asp Val Arg Arg Met Asn Lys Arg Gln Val Ser
35 40 45

Leu Ser Val Leu Phe Phe Ser Trp Leu Phe Leu Ser Leu Arg Gly Cys
50 55 60

Cys Cys Gly Ala Arg Arg Thr Pro Gly Phe Trp Cys Glu Gly Leu Ser
65 70 75 80

Trp Ser Asp Thr Arg Val Ile Arg Phe Leu Trp Arg Leu Trp Pro Glu
85 90 95

Ala Ala Leu Ser Ala Ser Leu Phe Leu Thr Pro Asn
100 105

<210> 444

<211> 84

<212> PRT

<213> Homo sapiens

<400> 444

Met Cys Val Tyr Ile Tyr Val Tyr Thr Cys Met Cys Val Tyr Ile Tyr
1 5 10 15

Val Tyr Ile Cys Ile Cys Val Tyr Ile His Val Tyr Thr Cys Ile Cys
20 25 30

Val Tyr Ile His Val Tyr Thr Cys Val Cys Val Tyr Ile Tyr Val Tyr
35 40 45

Thr Cys Met Cys Val Tyr Ile Cys Ile Tyr Val Tyr Ile Tyr Ile Cys
50 55 60

Val Cys Val Ser Val Tyr Ile Tyr Asn Arg Ile Ile Tyr Ile Leu Leu
65 70 75 80

Ala Leu Ser Leu

<210> 445

<211> 16

<212> PRT

<213> Homo sapiens

<400> 445

His Ala Ser Ala Trp Asn Leu Ile Leu Leu Thr Val Phe Thr Leu Ser
1 5 10 15

<210> 446

<211> 24

<212> PRT
 <213> Homo sapiens

<400> 446
 Val Tyr Ala Ala Leu Gly Ala Gly Val Phe Thr Leu Phe Leu Ala Leu
 1 5 10 15
 Asp Thr Gln Leu Leu Met Gly Asn
 20

<210> 447
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 447
 Glu Glu Tyr Ile Phe Gly Ala Leu Asn Ile Tyr Leu Asp Ile Ile Tyr
 1 5 10 15
 Ile Phe

<210> 448
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 448
 Trp Asn Leu Ile Leu Leu Thr Val Phe Thr Leu Ser Met Ala Tyr Leu
 1 5 10 15
 Thr Gly Met Leu Ser Ser Tyr Tyr Asn Thr
 20 25

<210> 449
 <211> 138
 <212> PRT
 <213> Homo sapiens

<400> 449
 Met Ala Tyr Leu Thr Gly Met Leu Ser Ser Tyr Tyr Asn Thr Thr Ser
 1 5 10 15
 Val Leu Leu Cys Leu Gly Ile Thr Ala Leu Val Cys Leu Ser Val Thr
 20 25 30
 Val Phe Ser Phe Gln Thr Lys Phe Asp Phe Thr Ser Cys Gln Gly Val
 35 40 45
 Leu Phe Val Leu Leu Met Thr Leu Phe Phe Ser Gly Leu Ile Leu Ala
 50 55 60
 Ile Leu Leu Pro Phe Gln Tyr Val Pro Trp Leu His Ala Val Tyr Ala
 65 70 75 80
 Ala Leu Gly Ala Gly Val Phe Thr Leu Phe Leu Ala Leu Asp Thr Gln
 85 90 95
 Leu Leu Met Gly Asn Arg Arg His Ser Leu Ser Pro Glu Glu Tyr Ile
 100 105 110

Phe Gly Ala Leu Asn Ile Tyr Leu Asp Ile Ile Tyr Ile Phe Thr Phe
115 120 125

Phe Leu Gln Leu Phe Gly Thr Asn Arg Glu
130 135

<210> 450
<211> 11
<212> PRT
<213> Homo sapiens

<400> 450
Thr Leu Ser Leu Leu Val Ser Leu His Thr Val
1 5 10

<210> 451
<211> 241
<212> PRT
<213> Homo sapiens

<400> 451
Met Ser Ser Ser Gly Thr Ser Asp Ala Ser Pro Ser Gly Ser Pro Val
1 5 10 15

Leu Ala Ser Tyr Lys Pro Ala Pro Pro Lys Asp Lys Leu Pro Glu Thr
20 25 30

Pro Arg Arg Arg Met Lys Lys Ser Leu Ser Ala Pro Leu His Pro Glu
35 40 45

Phe Glu Glu Val Tyr Arg Phe Gly Ala Glu Ser Arg Lys Leu Leu Leu
50 55 60

Arg Glu Pro Val Asp Ala Met Pro Asp Pro Thr Pro Phe Leu Leu Ala
65 70 75 80

Arg Glu Ser Ala Glu Val His Leu Ile Lys Glu Arg Pro Leu Val Ile
85 90 95

Pro Pro Ile Ala Ser Asp Arg Ser Gly Glu Gln His Ser Pro Ala Arg
100 105 110

Glu Lys Pro His Lys Ala His Val Gly Val Ala His Arg Ile His His
115 120 125

Ala Thr Pro Pro Gln Pro Ala Arg Gly Glu Asp Pro Gly Gly Arg Pro
130 135 140

Gly Glu Arg Arg Gln Gly Gly Glu Glu Ala Leu Arg Asp Gly Gln Asn
145 150 155 160

Cys Val Lys Pro Ala Val Pro His Pro Ala Leu Ser Met His Cys Glu
165 170 175

His His Trp Glu Ile Ser Ala Thr Pro Phe Leu Phe Asn Pro Met His
180 185 190

Ala Lys His Phe Ser His Leu Pro Thr His Ser Pro Ser Ala Ser Leu
195 200 205

Ala Leu Phe Phe Thr Pro Lys Tyr Asp Arg Val Pro Ala Ala Glu Tyr

210		215		220
Val Phe Pro Asn Cys Cys Gly Gln Thr Pro Val Cys Arg Ile Ala Cys				
225		230		235
				240

Phe

<210> 452
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 452
 Met Ser Ser Ser Gly Thr Ser Asp Ala Ser Pro Ser Gly Ser Pro Val
 1 5 10 15
 Leu Ala Ser Tyr Lys Pro Ala Pro Pro Lys Asp Lys Leu Pro Glu Thr
 20 25 30
 Pro Arg Arg Arg Met Lys Lys Ser Leu Ser Ala Pro Leu His Pro Glu
 35 40 45
 Phe Glu Glu Val Tyr Arg Phe Gly Ala Glu Ser Arg Lys Leu Leu Leu
 50 55 60
 Arg Glu Pro Val Asp Ala Met Pro Asp Pro Thr Pro Phe Leu Leu Ala
 65 70 75 80
 Arg Glu Ser Ala Glu
 85

<210> 453
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 453
 Val His Leu Ile Lys Glu Arg Pro Leu Val Ile Pro Pro Ile Ala Ser
 1 5 10 15
 Asp Arg Ser Gly Glu Gln His Ser Pro Ala Arg Glu Lys Pro His Lys
 20 25 30
 Ala His Val Gly Val Ala His Arg Ile His His Ala Thr Pro Pro Gln
 35 40 45
 Pro Ala Arg Gly Glu Asp Pro Gly Gly Arg Pro Gly Glu Arg Arg
 50 55 60

<210> 454
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 454
 Gln Gly Gly Glu Glu Ala Leu Arg Asp Gly Gln Asn Cys Val Lys Pro
 1 5 10 15
 Ala Val Pro His Pro Ala Leu Ser Met His Cys Glu His His Trp Glu

20 25 30
 Ile Ser Ala Thr Pro Phe Leu Phe Asn Pro Met His Ala Lys His Phe
 35 40 45
 Ser His Leu Pro Thr His Ser Pro Ser Ala Ser Leu Ala Leu Phe Phe
 50 55 60
 Thr Pro Lys Tyr Asp Arg Val Pro Ala Ala Glu Tyr Val Phe Pro Asn
 65 70 75 80
 Cys Cys Gly Gln Thr Pro Val Cys Arg Ile Ala Cys Phe
 85 90

<210> 455
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 455
 Lys Arg Ala Ser Gln Pro Pro Cys Thr Arg Asn Leu Lys Arg Ser Thr
 1 5 10 15
 Asp Ser Gly Gln Arg Ala Gly Asn Ser Phe Cys Gly Asn Gln Trp Met
 20 25 30
 Leu Cys Pro Thr Pro Pro His Phe Cys Trp Leu Gly Ser Pro Pro Arg
 35 40 45
 Ser Thr Ser Ser Lys Arg Gly Pro Ser Ser Ser
 50 55

<210> 456
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 456
 Pro Pro Ser Pro Pro Thr Glu Ala Ala Ser Ser Thr Ala Arg Pro Ala
 1 5 10 15
 Lys Ser Arg Thr Arg Pro Thr Ser Gly Trp His Ile Gly Ser Thr Thr
 20 25 30
 Pro Pro Arg Arg Ser Gln Pro Glu Val Lys Thr Leu Ala Val Asp Gln
 35 40 45
 Val Asn Gly Gly Lys Val Val Arg Lys His Ser Gly Thr Asp Arg Thr
 50 55 60

Val
 65

<210> 457
 <211> 148
 <212> PRT
 <213> Homo sapiens

<400> 457
 Met Trp Asn Pro Asn Ala Gly Gln Pro Gly Pro Asn Pro Tyr Pro Pro

1 5 10 15
 Asn Ile Gly Cys Pro Gly Gly Ser Asn Pro Ala His Pro Pro Pro Ile
 20 25 30
 Asn Pro Pro Phe Pro Pro Gly Pro Cys Pro Pro Pro Gly Ala Pro
 35 40 45
 His Gly Asn Pro Ala Phe Pro Pro Gly Gly Pro Pro His Pro Val Pro
 50 55 60
 Gln Pro Gly Tyr Pro Gly Cys Gln Pro Leu Gly Pro Tyr Pro Pro Pro
 65 70 75 80
 Tyr Pro Pro Pro Ala Pro Gly Ile Pro Pro Val Asn Pro Leu Ala Pro
 85 90 95
 Gly Met Val Gly Pro Ala Val Ile Val Asp Lys Lys Met Gln Lys Lys
 100 105 110
 Met Lys Lys Ala His Lys Lys Met His Lys His Gln Lys His His Lys
 115 120 125
 Tyr His Lys His Gly Lys His Ser Ser Ser Ser Ser Ser Ser Ser
 130 135 140
 Ser Asp Ser Asp
 145

<210> 458
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 458
 Arg Val Gly Pro Asp Ala Trp Ala Asp Ala Trp Glu Gln Ala Gln Ala
 1 5 10 15
 Ala Val Glu Arg Leu Glu Asp Thr Pro Lys His Val Glu Ser Gln Cys
 20 25 30
 Arg Ala Ala Arg Ala Lys Ser Ile Ser Pro Gln Tyr Trp Val Pro Trp
 35 40 45
 Arg Phe Gln Ser Cys Pro Pro Thr Thr Tyr
 50 55

<210> 459
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 459
 Ser Thr Leu Ser Pro Arg Pro Leu Ser Ser Ser Pro Arg Ser Ser Pro
 1 5 10 15
 Trp Gln Ser Ser Phe Pro Pro Arg Trp Ala Pro Ser Ser Cys Ala Thr
 20 25 30
 Ala Arg Val Ser Arg Met Pro Thr Val Gly Ser Leu Pro Ser Ser Ile
 35 40 45

Pro Thr Ala Cys Pro Trp Asn Pro Ser Cys Glu Ser Leu Gly Ser Trp
 50 55 60
 His Gly Trp Thr Ser Ser Asp Ser Arg Gln Glu Asp Ala Glu Glu Asn
 65 70 75 80
 Glu Glu Ser Ser

<210> 460
 <211> 86
 <212> PRT
 <213> Homo sapiens

<400> 460
 Met Pro Gly Ser Gln Gly Gln Ile His Ile Pro Pro Ile Leu Gly Ala
 1 5 10 15
 Leu Glu Val Pro Ile Leu Pro Thr His His Leu Ile His Pro Phe
 20 25 30
 Pro Gln Ala Pro Val Leu Leu Pro Gln Glu Leu Pro Met Ala Ile Gln
 35 40 45
 Leu Ser Pro Gln Val Gly Pro Leu Ile Leu Cys His Ser Gln Gly Ile
 50 55 60
 Gln Asp Ala Asn Arg Trp Val Pro Thr Leu Leu His Thr His Arg Leu
 65 70 75 80
 Pro Leu Glu Ser Leu Leu
 85

<210> 461
 <211> 65
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (56)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 461
 Met Ala Ser Ile Pro Pro Leu Pro Pro Pro Leu Pro Ala Val Ile Leu
 1 5 10 15
 Thr Glu Tyr Arg Pro Trp Thr Leu Pro Ser Ser Leu Thr Ser Ser Ala
 20 25 30
 Leu Pro Ser Ser Phe Arg Cys His Val Val Leu Gly Glu Cys Ser Pro
 35 40 45
 Cys Ala Pro His Pro Leu Pro Xaa Pro Glu Pro His Pro Ala Val Glu
 50 55 60
 Pro
 65

<210> 462

<211> 147
 <212> PRT
 <213> Homo sapiens

<400> 462
 Pro Arg His Thr Tyr Trp Gly Ile Trp Leu Val Pro Ala Ala Met Ala
 1 5 10 15
 Ser Pro His Ser His Pro Ala Gln Gly Val Leu Gln Pro Pro Gly Pro
 20 25 30
 Gln Pro Arg Trp Glu Asp Arg Val Ala Leu Gly Thr Arg Gly Arg Ser
 35 40 45
 Pro Gly Ala Tyr Leu Thr Glu Ser Ala Pro Gln Gln Ala Ser Thr Thr
 50 55 60
 Pro Gly Pro Pro Thr Cys His Gly Lys Val Gly Ser Glu Trp Ala Trp
 65 70 75 80
 Leu Gly Ala Ala Pro Gly Pro Leu Pro Thr His Pro Ser His Tyr Ala
 85 90 95
 Ile Arg Val Pro Ser Asn Ile Cys Ser Cys Pro Gly Ala Ser Ser Ala
 100 105 110
 Pro Ala Leu Arg Gly Val Val Arg Gln Pro Pro Gly Pro Gln Asn Pro
 115 120 125
 Arg Gln Gly Gly Arg Arg Gly Thr Arg Ala Ser Pro Val Gly Ser Leu
 130 135 140
 Phe Cys Val
 145

<210> 463
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 463
 Met Phe Ala Val Leu Pro Ala Val Glu Gly Arg Ala Thr Pro His Gln
 1 5 10 15
 Asp Arg Thr Cys Tyr Pro Ser Arg Ser Arg Pro Trp Pro Ser Gln Pro
 20 25 30
 Ser Pro Arg Gly Ser Met Pro Val Pro Arg Pro Gly Ala Ala Arg Gly
 35 40 45
 Gln Leu Asp Gly His Val Gln Gly Gln Gly Trp Ala Leu Gln Trp Gly
 50 55 60
 Gly Pro Pro Ala Pro Ala Val Tyr Arg Arg Met Ala Leu Pro Pro Arg
 65 70 75 80
 Ala Ala Gly Ser Tyr Leu Asp Arg Lys Cys Pro His Pro Leu Pro Gly
 85 90 95
 Ala Arg Leu Cys Pro Gly Leu Pro Leu
 100 105

<210> 464
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 464
 Val Phe Gly Ala Val Phe Leu Thr Thr Pro Ser His Asp Leu Ala Thr
 1 5 10 15
 Pro Thr Gly Ala Ser Gly Trp Cys Leu Leu Pro Trp Pro Ala Pro Thr
 20 25 30
 Leu Thr Leu His Arg Gly Ser Cys Ser Pro Gln Ala His Ser Leu Val
 35 40
 Gly Arg Thr Gly Trp Pro Trp Gly Gln Glu Gly Gly Ala Gln Gly Leu
 50 55 60
 Thr Ser Leu Arg Val Leu Pro Ser Arg His Pro Leu Pro Gln Gly Pro
 65 70 75 80
 Pro His Val Met Ala Arg Leu Val Val Asn Gly Pro Gly Trp Glu Gln
 85 90 95
 Pro Leu Ala His Cys Pro Pro Thr His Leu Thr Met Gln Phe Glu Phe
 100 105 110
 Gln Ala Thr Phe Ala Pro Ala Leu Gly Pro Ala Leu Pro Gln Pro
 115 120 125

<210> 465
 <211> 186
 <212> PRT
 <213> Homo sapiens

<400> 465
 His Glu Glu Pro Pro Ala Gly Phe Gly Leu Arg Ser Leu Trp Arg Arg
 1 5 10 15
 Ser Pro Pro His Glu Val Gly Ala Arg Leu Pro Asn Gly Ala Phe Gly
 20 25 30
 Phe Ser Val Arg Cys Leu Leu Cys Phe Pro Pro Trp Arg Ala Glu Pro
 35 40 45
 Pro His Ile Arg Ile Gly Arg Ala Thr Pro Pro Gly Pro Gly Pro Gly
 50 55 60
 Pro Ala Ser Pro Ala Leu Glu Ala Arg Cys Leu Cys Gln Gly Gln Gly
 65 70 75 80
 Gln Pro Glu Gly Ser Trp Met Ala Thr Cys Arg Val Lys Ala Gly Pro
 85 90 95
 Cys Ser Gly Ala Gly Arg Gln Pro Gln Gln Phe Thr Asp Ala Trp Leu
 100 105 110
 Phe Leu Pro Glu Gln Pro Ala Ala Thr Trp Thr Gly Asn Val Leu Ile
 115 120 125
 Pro Ser Leu Gly Pro Gly Ser Ala Leu Ala Phe Leu Cys Glu Pro Leu
 130 135 140
 Leu Ser Leu Cys Cys Leu Gly Thr Pro Asp Arg Gly Val Arg Val Cys

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<210> 466
<211> 100
<212> PRT
<213> Homo sapiens
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<210> 467
<211> 244
<212> PRT
<213> Homo sapiens
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400> 467																
Met	Lys	Trp	Phe	Ser	Thr	Gln	Pro	Leu	Trp	Leu	Asn	Thr	Lys	Gln	Arg	
1				5					10					15		
Ser	His	Arg	Arg	Gly	Pro	Gly	Pro	Pro	Pro	Ala	Pro	Leu	Ser	Gly	Val	
			20					25					30			
Leu	Gly	Ser	Arg	Gly	Leu	Pro	His	His	Pro	Ser	Gln	Gly	Trp	Gly	Arg	
		35					40					45				
Ala	Gly	Pro	Arg	Ala	Gly	Ala	Asn	Val	Ala	Trp	Asn	Ser	Asn	Cys	Ile	
		50				55					60					
Val	Arg	Trp	Val	Gly	Gly	Gln	Trp	Ala	Arg	Gly	Cys	Ser	Gln	Pro	Gly	
				70						75					80	
Pro	Phe	Thr	Thr	Asn	Leu	Ala	Met	Thr	Cys	Gly	Gly	Pro	Trp	Gly	Ser	
				85					90					95		
Gly	Cys	Leu	Leu	Gly	Ser	Thr	Leu	Ser	Glu	Val	Ser	Pro	Trp	Ala	Pro	
			100					105					110			

Pro Ser Cys Pro Gln Gly His Pro Val Leu Pro Thr Arg Leu Trp Ala
 115 120 125
 Trp Gly Leu Gln Asp Pro Leu Cys Arg Val Arg Val Gly Ala Gly His
 130 135 140
 Gly Ser Arg His Gln Pro Asp Ala Pro Val Gly Val Ala Arg Ser Trp
 145 150 155
 Asp Gly Val Val Arg Asn Thr Ala Pro Lys Thr Gln Asn Lys Asn Thr
 165 170 175
 Thr Asn Gly Arg Arg Ser Pro Pro Thr Glu Val Gly Phe Glu Pro
 180 185
 Leu Leu Ile Phe Pro Val Ser Phe Leu Gln Pro Leu Val Ser Arg Lys
 195 200 205
 Ser Gln Thr Gly Thr His Ala His His Gly Gln Glu Ser Arg Asp Ser
 210 215 220
 Thr Lys Lys Gly Gly Val His Arg Gly Arg Pro Gly Gln Ser Leu Ala
 225 230 235 240
 Pro Gly Arg Gly

<210> 468

<211> 165

<212> PRT

<213> Homo sapiens

<400> 468

Lys Val Thr Asp Gly His Thr Arg Thr Pro Arg Ser Gly Val Pro Arg
 1 5 10 15

Gln His Lys Glu Arg Arg Gly Ser Gln Arg Lys Ala Arg Ala Glu Pro
 20 25 30

Gly Pro Arg Glu Gly Met Arg Thr Phe Pro Val Gln Val Ala Ala Gly
 35 40 45

Cys Ser Gly Arg Lys Ser His Ala Ser Val Asn Cys Trp Gly Trp Arg
 50 55 60

Pro Ala Pro Leu Gln Gly Pro Ala Leu Thr Leu His Val Ala Ile Gln
 65 70 75 80

Leu Pro Ser Gly Cys Pro Trp Pro Trp His Arg His Arg Ala Ser Arg
 85 90 95

Ala Gly Leu Ala Gly Pro Gly Pro Gly Pro Gly Gly Val Ala Arg Pro
 100 105 110

Ile Leu Met Trp Gly Gly Ser Ala Leu His Gly Gly Lys His Ser Lys
 115 120 125

His Arg Thr Leu Lys Pro Lys Ala Pro Leu Gly Ser Leu Ala Pro Thr
 130 135 140

Ser Trp Gly Gly Asp Arg Arg His Arg Asp Leu Ser Pro Lys Pro Ala
 145 150 155 160

Gly Gly Ser Ser Cys

165

<210> 469
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 469
 Met Arg Thr Phe Pro Val Gln Val Ala Ala Gly Cys Ser Gly Arg Lys
 1 5 10 15
 Ser His Ala Ser Val Asn Cys Trp Gly Trp Arg Pro Ala Pro Leu Gln
 20 25 30
 Gly Pro Ala Leu Thr Leu His Val Ala Ile Gln Leu Pro Ser Gly Cys
 35 40 45
 Pro Trp Pro Trp His Arg His Arg Ala Ser Arg Ala Gly Leu Ala Gly
 50 55 60
 Pro Gly Pro Gly Pro Gly Val Ala Arg Pro Ile Leu Met Trp Gly
 65 70 75 80
 Gly Ser Ala Leu His Gly Gly Lys His Ser Lys His Arg Thr Leu Lys
 85 90 95
 Pro Lys Ala Pro Leu Gly Ser Leu Ala Pro Thr Ser Trp Gly Gly Asp
 100 105 110
 Arg Arg His Arg Asp Leu Ser Pro Lys Pro Ala Gly Gly Ser Ser Cys
 115 120 125

<210> 470
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 470
 Gly Leu Met Glu Cys Leu Ile His Arg His Gly Ser His
 1 5 10

<210> 471
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 471
 Ser Thr Lys Gly Met Gln Phe Ile Leu Thr Gly Ile Thr Leu Ser Gly
 1 5 10 15

Tyr

<210> 472
 <211> 209

<212> PRT

<213> Homo sapiens

<400> 472

Pro Arg Val Arg Ala Leu Leu Phe Ala Arg Ser Leu Arg Leu Cys Arg
 1 5 10 15

Trp Gly Ala Lys Arg Leu Gly Val Ala Ser Thr Glu Ala Gln Arg Gly
 20 25 30

Val Ser Phe Lys Leu Glu Glu Lys Thr Ala His Ser Ser Leu Ala Leu
 35 40 45

Phe Arg Asp Asp Thr Gly Val Lys Tyr Gly Leu Val Gly Leu Glu Pro
 50 55 60

Thr Lys Val Ala Leu Asn Val Glu Arg Phe Arg Glu Trp Ala Val Val
 65 70 75 80

Leu Ala Asp Thr Ala Val Thr Ser Gly Arg His Tyr Trp Glu Val Thr
 85 90 95

Val Lys Arg Ser Gln Gln Phe Arg Ile Gly Val Ala Asp Val Asp Met
 100 105 110

Ser Arg Asp Ser Cys Ile Gly Val Asp Asp Arg Ser Trp Val Phe Thr
 115 120 125

Met Pro Ser Ala Ser Gly Thr Pro Cys Trp Pro Thr Arg Lys Pro Gln
 130 135 140

Leu Arg Val Leu Gly Ser Gln Glu Val Gly Leu Leu Leu Glu Tyr Glu
 145 150 155 160

Ala Gln Lys Leu Ser Leu Val Asp Val Ser Gln Val Ser Val Val His
 165 170 175

Thr Leu Gln Thr Asp Phe Arg Gly Pro Val Val Pro Ala Phe Ala Leu
 180 185 190

Trp Asp Gly Glu Leu Leu Thr His Ser Gly Leu Glu Val Pro Glu Gly
 195 200 205

Leu

<210> 473

<211> 98

<212> PRT

<213> Homo sapiens

<400> 473

Met Ser Arg Asp Ser Cys Ile Gly Val Asp Asp Arg Ser Trp Val Phe
 1 5 10 15

Thr Met Pro Ser Ala Ser Gly Thr Pro Cys Trp Pro Thr Arg Lys Pro
 20 25 30

Gln Leu Arg Val Leu Gly Ser Gln Glu Val Gly Leu Leu Leu Glu Tyr
 35 40 45

Glu Ala Gln Lys Leu Ser Leu Val Asp Val Ser Gln Val Ser Val Val
 50 55 60

His Thr Leu Gln Thr Asp Phe Arg Gly Pro Val Val Pro Ala Phe Ala
65 70 75 80

Leu Trp Asp Gly Glu Leu Leu Thr His Ser Gly Leu Glu Val Pro Glu
85 90 95

Gly Leu

<210> 474
<211> 1913
<212> DNA
<213> Homo sapiens

<400> 474
gcacgacggg cagcagcggg tcttcacacg actgtgatcc gattcttttc agcggcttct 60
gcaaccaagg ggggtcttacc cccggtctct cgcgtctcca gtctctgcac ctggaacccc 120
aaagtcctcc agagtccccc aatccccgct cccaggctac ctaaggagat gagcggtgct 180
ccgacggccc gggcagcccc gatgctctgc gccgccaccg ccgtgtctact gaggcctcag 240
gcggaccgac tgcagtcaca gtgcgccgctc ttgtgctctc gggacgagat gaagtctctg 300
cgcacgggac tctctcagct cggccagggg ctgcgcgaac accgggagcg caccgcgagt 360
cagctgagcg cgtctggagcg gcgctgagc cgcgtgcgggt ccgctctgtca gggaaccgag 420
gggtccacgc acctcccggt agccctcgag agcggggtgg accctgaggt ccttcacagc 480
ctgcagacac aactcaaggc tcagaacacg aggatccagc aactcttcca caagtgggc 540
cagcagcagc ggcacctgga gaagcagcac ctgcgaattc agcatctgca aagccagttt 600
ggctctctgg accacagaca cctagaccat gaggtggcca agctgcccg aagaagagg 660
ctgcccagga tggcccagcc agttgacccg gctcacaatg tcagccgctc gcaccggctg 720
cccagggatt gccaggagct gttccaggtt ggggagagcg tgagtggaatg atttgaaatc 780
cagcctcagg ggtctccgcc atttttggtt aactgcaaga tgacctcaga tggaggctgg 840
acagtaattc agaggcgcca cgtaggctca gtggacttca accggccctc ggaagcctac 900
aaggcggggt tgggggatcc ccacggcgag ttctggctgg gtctggagaa ggtgcatagc 960
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gagtgtctgc agttctccgt gcaacctgggt ggcgaggaca cggcctatag cctgcagctc 1080
actgcaccgc tggccggcca gctggggccc accaccgtcc caccctagcg cctctcgtta 1140
ccctcttcca ctggggacca ggaatcacgac ctcccgaggg acaagaactg cgccaagagc 1200
ctctctggag gctgggtggt tggcacctgc aagaagggaa ttctctgaa gacctggcgg 1260
cgctccatcc cacagcagcg gcagaagatt atgttgatcc agcccatgac agcagaggca 1320
ggcgcgtact accgcgtgca ggcctggctc caggcccaag aaagacgggt actcttggct 1380
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aaacttgagg agagagaaga gaccacgact ggagaagccc ccttctgag tgcagggggg 1500
ctcgatggct tgctctctga gatcgaggtc gcaggatag ctgcagactc agagcgctgg 1560
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cttggggcca gccagactgg cctcaatggc ggactcagtc acattgactg acggggacca 1680
gggtctgtgt ggttcgagag gcgcctcatg gtgtgtgtgt tggttctggt aggtccccct 1740
gggacacaag caggcgccaa tggatatctg gcggagctca cagagttctt ggaataaaa 1800
caacctcaga acaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1860
1913

<210> 475
<211> 1221
<212> DNA
<213> Homo sapiens

<400> 475
atgagcgggt ctcgcagcgc cggggcagcc ctgatgctct gcgcccacc cgcgctgcta 60
ctgagcgctg agggcgagcc cgtgcagctc aagtcgcgcg gcttctgcgtc ctgggacgag 120
atgaattgtc agggcgacgg actcctgcag cctcgccagg gctctgcgcgt acacgcggag 180
gcaccaccga gtcagctgag cgcgctggag cggcgctctga gcgctgctgc gtccgctgtg 240
cagggaaccc aggggtccac gcactccccc ttaccccctg agagcctctc ggaccctgag 300
gtctcttctc gccctgcagca acaactcaag gctcagaaca caggatgata gcaactcttc 360
cacaagattg cccagcagca cgggcaacct gagaagcagc accctgacac tgcagctctg 420
caaagccagt ttggctctct ggaccacaa cacttagacc atgaggtggc caagctcgcc 480
cgaagaaaga ggttgcccga gatggcccag caggttgcac tgtcagcgcg 540
ctgcaccgac tgcccaggga ttgccaggag ctgttccagg ttggggagag gcagagtga 600

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ctattttgaaa tccagcctca ggggtctccg ccatttttgg tgaactgcaa gatgacctca 660
gatggagagct ggacagtaat tcagagggcg cagatggct cagtggactt caaccggccc 720
tggggaagcct acaaggcggg gtttggggat cccacggcg agttctggct ggggtctggag 780
aaggtgcata gcatcacggg ggaaccgaac agccgcttgg cgtgcagct gcgggactgg 840
gatggcaacg ccgagttgct gcagttctcc gtgcacctgg gtggcgagga caggccttat 900
agcctgcagc tcactgacc cgtggccggc cagctgggag ccaccacgt cccaccagc 960
ggcctctccg taccctcttc cacttgggac caggatcacg acctccgag ggacaagaac 1020
tgcgccaaga gcctctcttg aggtgtgtgg tttggcacct gcagccattc caacctcaac 1080
ggccagtaact tccgtccat cccacagcag cggcagaagc ttaagaaggg aatctctctg 1140
aagactggc ggggccccta ctaccgctg caggccacca ccattgtgat ccagccatg 1200
gcagcagagg cagcctccta g

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<210> 476

<211> 175

<212> PRT

<213> Homo sapiens

<400> 476

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Met Ala Gln Trp Thr Ser Thr Gly Pro Gly Lys Pro Thr Arg Arg Gly
 1          5          10          15
Leu Gly Ile Pro Thr Ala Ser Ser Gly Trp Val Trp Arg Arg Cys Ile
          20          25          30
Ala Ser Trp Gly Thr Ala Thr Ala Trp Pro Cys Ser Cys Gly Thr
 35          40          45
Gly Met Ala Thr Pro Ser Cys Cys Ser Ser Pro Cys Thr Trp Val Ala
 50          55          60
Arg Thr Arg Pro Ile Ala Cys Ser Ser Leu His Pro Trp Pro Ala Ser
 65          70          75          80
Trp Ala Pro Pro Pro Ser His Pro Ala Ala Ser Pro Tyr Pro Ser Pro
          85          90          95
Leu Gly Thr Arg Ile Thr Thr Ser Ala Gly Thr Arg Thr Ala Pro Arg
100          105          110
Ala Ser Leu Glu Ala Gly Gly Leu Ala Pro Ala Ala Ile Pro Thr Phe
115          120          125
Asn Gly Pro Val Leu Pro Ala Pro Ser His Ser Ser Gly Arg Ser Leu
130          135          140
Arg Arg Glu Ser Ser Gly Arg Pro Ala Gly Arg Tyr Tyr Pro Leu Gln
145          150          155          160
Ala Thr Thr Met Leu Ile Gln Pro Met Ala Ala Glu Ala Ala Ser
165          170          175

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<210> 477

<211> 13

<212> PRT

<213> Homo sapiens

<400> 477

```

Trp Trp Phe Gly Thr Cys Ser His Ser Asn Leu Asn Gly
 1          5          10

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<210> 478

<211> 19

<212> PRT
 <213> Homo sapiens

<400> 478
 Ser Gly Gly Trp Trp Phe Gly Thr Cys Ser His Ser Asn Leu Asn Gly
 1 5 10 15

Gln Tyr Phe

<210> 479
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 479
 Gly His Asp Leu Pro Gln Asp Ala Trp Leu Arg Trp Val Leu Ala Gly
 1 5 10 15

Ala Leu Cys Ala Gly Gly Trp Ala Val Asn Tyr Leu Pro Phe Phe Leu
 20 25 30

<210> 480
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 480
 Phe Leu Tyr His Tyr Leu Pro Ala Leu Thr Phe Gln Ile Leu Leu Leu
 1 5 10 15

Pro Val

<210> 481
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 481
 Met Ser Pro Leu Pro Trp Pro Gly Pro Leu Pro Gly Gly Arg Gln Gly
 1 5 10 15

His Arg Leu Glu Pro Cys Cys Ser Ser Gly Cys Ala Gly Gly Pro Thr
 20 25 30

Trp Pro His Cys Ser Ser Gln Ser Trp Pro Met Xaa Ser Ala Arg His

35

40

45

Xaa Gly Leu Gly His Cys Cys Pro Ser Ser Pro
 50 55

<210> 482
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 482
 Asp Ile Cys Arg Leu Glu Arg Ala Val Cys Arg Asp Glu Pro Ser Ala
 1 5 10 15
 Leu Ala Arg Ala Leu Thr Trp Arg Gln Ala Arg Ala Gln Ala Gly Ala
 20 25 30

<210> 483
 <211> 114
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 483
 Xaa Ala Pro Ala Thr Xaa Ala Trp Asp Thr Val Val Pro Pro Leu Pro
 1 5 10 15
 Arg Lys Cys Gln Cys Ser Gly Ser Ala Arg Ser His Gly Ala Gly Arg
 20 25 30
 Ser Ala Leu His Ser Pro Leu Glu Gly Ser Arg Pro Lys Val Pro Ala
 35 40 45
 Gly Ala Val Gly Lys Ser Leu Pro Gly Gln Ser Arg Pro Gln His Cys
 50 55 60
 Leu Pro Pro Lys Gln Pro Lys Gln Cys Arg Pro Gly Leu Glu Leu Lys
 65 70 75 80
 Glu Gly Pro Leu Leu Thr Pro Thr Arg Ala Ser Val Gln Leu Ser His
 85 90 95
 Pro Ala Cys Leu Tyr Trp Ala Pro Leu Leu Trp Ile Arg Asp Pro Ala
 100 105 110
 Ser Val

<210> 484
 <211> 55
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 484
 Xaa Ala Pro Ala Thr Xaa Ala Trp Asp Thr Val Val Pro Pro Leu Pro
 1 5 10 15
 Arg Lys Cys Gln Cys Ser Gly Ser Ala Arg Ser His Gly Ala Gly Arg
 20 25 30
 Ser Ala Leu His Ser Pro Leu Glu Gly Ser Arg Pro Lys Val Pro Ala
 35 40 45
 Gly Ala Val Gly Lys Ser Leu
 50 55

<210> 485
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 485
 Pro Gly Gln Ser Arg Pro Gln His Cys Leu Pro Pro Lys Gln Pro Lys
 1 5 10 15
 Gln Cys Arg Pro Gly Leu Glu Leu Lys Glu Gly Pro Leu Leu Thr Pro
 20 25 30
 Thr Arg Ala Ser Val Gln Leu Ser His Pro Ala Cys Leu Tyr Trp Ala
 35 40 45
 Pro Leu Leu Trp Ile Arg Asp Pro Ala Ser Val
 50 55

<210> 486
 <211> 133
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 486

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Asp Ile Cys Arg Leu Glu Arg Ala Val Cys Arg Asp Glu Pro Ser Ala
  1           5           10           15
Leu Ala Arg Ala Leu Thr Trp Arg Gln Ala Arg Ala Gln Ala Gly Ala
          20           25           30
Met Leu Leu Phe Gly Leu Cys Trp Gly Pro Tyr Val Ala Thr Leu Leu
      35           40           45
Leu Ser Val Leu Ala Tyr Xaa Gln Arg Pro Pro Leu Xaa Pro Gly Thr
      50           55           60
Leu Leu Ser Leu Leu Ser Leu Gly Ser Ala Ser Ala Ala Ala Val Pro
  65           70           75
Val Ala Met Gly Leu Gly Asp Gln Arg Tyr Thr Ala Pro Trp Arg Ala
          85           90           95
Ala Ala Gln Arg Cys Leu Gln Gly Leu Trp Gly Arg Ala Ser Arg Asp
      100           105           110
Ser Pro Gly Pro Ser Ile Ala Tyr His Pro Ser Ser Gln Ser Ser Val
      115           120           125
Asp Leu Asp Leu Asn
      130

```

<210> 487

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 487

```

Met Glu Arg Val Gly Met Glu Ser Gly Glu Met Val Cys Gly Leu Gly
  1           5           10           15

```

```

Ser Ala Cys Asn Asn Pro Ser Asp Leu Gly Gln Val Pro Val Pro Leu
      20           25           30

```

```

Trp Xaa Ser Val Ser Pro Pro Val Phe Gly Xaa Gly Trp Asn Gly His
      35           40           45

```

<210> 488

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 488

Met Arg Ser Phe Gln Asp Val Ser Ala Leu Glu Glu Trp Arg Gly Gly
1 5 10 15Lys Asp Leu Glu Pro Thr His Ser Leu Leu Leu Leu Pro Leu Arg
20 25 30Asp Leu Leu Val Val Leu Gly Glu Ile Arg Lys Arg Gln Met Glu Gly
35 40 45Cys Val Trp Lys Gly Trp Gly Trp Asn Pro Glu Lys Trp Phe Ala Val
50 55 60Leu Ala Leu Pro Val Thr Thr Arg Val Thr Leu Gly Lys Ser Leu Ser
65 70 75 80Leu Ser Gly Xaa Gln Phe Leu His Leu Tyr Leu Glu Arg Val Gly Met
85 90 95Gly Thr Glu Val Leu Ser Ser Ser Asp Leu Leu
100 105

<210> 489

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 489

Met His Pro Ala Gly Pro Thr Phe Met Gly Ser Lys Pro Ile Arg Glu
1 5 10 15Gln Gln Phe Gly Pro Asp Ala Cys Leu Leu Leu Cys Val Ala Met
20 25 30Ala Gly Thr Glu Ala Ser Arg Ala Ala Gln Gln Cys Thr Ser Gln Lys
35 40 45Val Arg Ala Gly Gln Asp Phe Ser Ala His Ser Asn Pro Xaa Gln Ile
50 55 60Gln Val Glu Lys Leu Xaa Pro Arg Glu Gly Gln Gly Leu Ala Gln Gly
65 70 75 80His Ser Gly Cys Tyr Arg Gln Ser Gln Asp Arg Lys Pro Phe Leu Arg
85 90 95Ile Pro Ser Pro Pro Phe Pro Tyr Thr Thr Leu His Leu Pro Phe Pro
100 105 110Asp Phe Ala Lys Asn His
115

<210> 490
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 490
 Met His Pro Ala Gly Pro Thr Phe Met Gly Ser Lys Pro Ile Arg Glu
 1 5 10 15
 Gln Gln Phe Gly Pro Asp Ala Cys Leu Leu Leu Leu Cys Val Ala Met
 20 25 30
 Ala Gly Thr Glu Ala Ser Arg Ala Ala Gln Gln Cys Thr Ser Gln Lys
 35 40 45
 Val Arg Ala Gly Gln Asp Phe Ser Ala His Ser Asn Pro
 50 55 60

<210> 491
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 491
 Pro Arg Glu Gly Gln Gly Leu Ala Gln Gly His Ser Gly Cys Tyr Arg
 1 5 10 15
 Gln Ser Gln Asp Arg Lys Pro Phe Leu Arg Ile Pro Ser Pro Pro Phe
 20 25 30
 Pro Tyr Thr Thr Leu His Leu Pro Phe Pro Asp Phe Ala Lys Asn His
 35 40 45

<210> 492
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 492
 Asp Pro Arg Val Arg Lys Pro Pro Thr Ala Thr Leu Thr Thr Ala Arg
 1 5 10 15
 Thr Arg Pro Thr Thr Asp
 20

<210> 493
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (81)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 493
 Ala Ala Leu Glu Ala Ser Val Pro Ala Ile Ala Thr Gln Arg Ser Ser
 1 5 10 15
 Arg Gln Ala Ser Gly Pro Asn Cys Cys Ser Leu Met Gly Leu Asp Pro
 20 25 30
 Met Lys Val Gly Pro Ala Gly Cys Ile Ser Trp Asp Ser Val Glu Ala
 35 40 45
 Asp Gln Val Ala Gly Ala Ser Gly Gly Arg Ile Glu Val Lys Gly Cys
 50 55 60
 Gly Met Glu Asn Leu Xaa Arg Leu His Leu Gly Ser Gly Lys Gly Gln
 65 70 75 80
 Xaa Xaa

<210> 494
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 494
 Met Leu His Arg Gln Trp Leu Thr Val Arg Arg Ala Gly Gly Pro Pro
 1 5 10 15
 Arg Thr Asp Gln Gln Arg Arg Thr Val Arg Cys Leu Arg Asp Thr Val
 20 25 30
 Leu Leu Leu His Gly Leu Ser Gln Lys Asp Lys Leu Phe Met Met His
 35 40 45
 Cys Val Glu Val Leu His Gln Phe Asp Gln Val Met Pro Gly Val Ser
 50 55 60
 Met Leu Ile Arg Gly Leu Pro Asp Val Thr Asp Cys Glu Glu Ala Ala
 65 70 75 80
 Leu Asp Asp Leu Cys Ala Ala Glu Thr Asp Val Glu Asp Pro Glu Val
 85 90 95
 Glu Cys Gly

<210> 495
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (58)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 495
 Gly Xaa Ala Asn Pro Glu Asp Ser Val Cys Ile Leu Glu Gly Phe Ser
 1 5 10 15
 Val Thr Ala Leu Ser Ile Leu Gln His Leu Val Cys His Ser Gly Ala
 20 25 30
 Val Arg Leu Pro Ile Thr Val Arg Ser Gly Gly Arg Phe Cys Cys Trp
 35 40 45
 Gly Arg Lys Gln Glu Pro Gly Ser Gln Xaa Ser Asp Gly Asp
 50 55 60

<210> 496
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 496
 Ala Val Gln Gln Gln His Arg Val Pro Gln Thr Ala His Cys Pro Pro
 1 5 10 15
 Leu Leu Val Gly Pro Trp Gly Ser Pro Cys Pro Pro His Cys Gln Pro
 20 25 30
 Leu Ser Val Gln His His Arg Glu Arg Ser Asp His Leu His Ile Thr
 35 40 45
 Leu Ala Val Gly Ala Ser Asp Trp Gly Gln Gly Ala Leu Ala His Gln
 50 55 60
 Ala
 65

<210> 497
 <211> 220
 <212> PRT
 <213> Homo sapiens

<400> 497
 Pro Lys Thr Leu Pro Val Ile Ser Cys Pro Gly Ser Ser Val Cys Ser
 1 5 10 15
 Lys Cys Cys Gln Ser Ala Ser Ala Gln Arg His Pro Cys Leu Ala Cys
 20 25 30
 Cys Trp Leu Leu Ser Ser Ser Pro Cys Trp Arg Thr Thr Thr Ser Trp
 35 40 45
 His Leu Ser Ser Val Pro Thr Gln Lys Ala Ala Ser Cys Cys Cys Cys
 50 55 60

Thr Cys Thr Ser His His Gly Leu Thr Glu Trp Pro Trp Arg His Asn
 65 70 75 80
 Gly Ser Ser Trp Asn Lys Arg Trp Cys Gly Ser Trp Leu Ser Leu Val
 85 90 95
 Cys Lys Ser Pro Leu Pro Pro Val Thr Gly Ser Asn Cys Gln Cys Asn
 100 105 110
 Val Glu Val Val Arg Ala Leu Thr Val Met Leu His Arg Gln Trp Leu
 115 120 125
 Thr Val Arg Arg Ala Gly Gly Pro Pro Arg Thr Asp Gln Gln Arg Arg
 130 135 140
 Thr Val Arg Cys Leu Arg Asp Thr Val Leu Leu His Gly Leu Ser
 145 150 155 160
 Gln Lys Asp Lys Leu Phe Met Met His Cys Val Glu Val Leu His Gln
 165 170 175
 Phe Asp Gln Val Met Pro Gly Val Ser Met Leu Ile Arg Gly Leu Pro
 180 185 190
 Asp Val Thr Asp Cys Glu Glu Ala Ala Leu Asp Asp Leu Cys Ala Ala
 195 200 205
 Glu Thr Asp Val Glu Asp Pro Glu Val Glu Cys Gly
 210 215 220

<210> 498

<211> 223

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 498

Gly Xaa Ala Asn Pro Glu Asp Ser Val Cys Ile Leu Glu Gly Phe Ser
 1 5 10 15

Val Thr Ala Leu Ser Ile Leu Gln His Leu Val Cys His Ser Gly Ala
 20 25 30

Val Arg Leu Pro Ile Thr Val Arg Ser Gly Gly Arg Phe Cys Cys Trp
 35 40 45

Gly Arg Lys Gln Glu Pro Gly Ser Gln Xaa Ser Asp Gly Asp Met Thr
 50 55 60

Ser Ala Leu Arg Gly Val Ala Asp Asp Gln Gly Gln His Pro Leu Leu
 65 70 75 80

Lys Met Leu Leu His Leu Leu Ala Phe Ser Ser Ala Ala Thr Gly His
 85 90 95

Leu Gln Ala Ser Val Leu Thr Gln Cys Leu Lys Val Leu Val Lys Leu
100 105 110

Ala Glu Asn Thr Ser Cys Asp Phe Leu Pro Arg Phe Gln Cys Val Phe
115 120 125

Gln Val Leu Pro Lys Cys Leu Ser Pro Glu Thr Pro Leu Pro Ser Val
130 135 140

Leu Leu Ala Val Glu Leu Leu Ser Leu Leu Ala Asp His Asp Gln Leu
145 150 155 160

Ala Pro Gln Leu Cys Ser His Ser Glu Gly Cys Leu Leu Leu Leu Leu
165 170 175

Tyr Met Tyr Ile Thr Ser Arg Pro Asp Arg Val Ala Leu Glu Thr Gln
180 185 190

Trp Leu Gln Leu Glu Gln Glu Val Val Trp Leu Leu Ala Lys Leu Gly
195 200 205

Val Gln Glu Pro Leu Ala Pro Ser His Trp Leu Gln Leu Pro Val
210 215 220

<210> 499

<211> 123

<212> PRT

<213> Homo sapiens

<400> 499

Gln Ser Pro Leu Pro Pro Val Thr Gly Ser Asn Cys Gln Cys Asn Val
1 5 10 15

Glu Val Val Arg Ala Leu Thr Val Met Leu His Arg Gln Trp Leu Thr
20 25 30

Val Arg Arg Ala Gly Gly Pro Pro Arg Thr Asp Gln Gln Arg Arg Thr
35 40 45

Val Arg Cys Leu Arg Asp Thr Val Leu Leu Leu His Gly Leu Ser Gln
50 55 60

Lys Asp Lys Leu Phe Met Met His Cys Val Glu Val Leu His Gln Phe
65 70 75 80

Asp Gln Val Met Pro Gly Val Ser Met Leu Ile Arg Gly Leu Pro Asp
85 90 95

Val Thr Asp Cys Glu Glu Ala Ala Leu Asp Asp Leu Cys Ala Ala Glu
100 105 110

Thr Asp Val Glu Asp Pro Glu Val Glu Cys Gly
115 120

<210> 500

<211> 63

<212> PRT

<213> Homo sapiens

<400> 500

Gln Ser Pro Leu Pro Pro Val Thr Gly Ser Asn Cys Gln Cys Asn Val
1 5 10 15

Glu Val Val Arg Ala Leu Thr Val Met Leu His Arg Gln Trp Leu Thr
 20 25 30
 Val Arg Arg Ala Gly Gly Pro Pro Arg Thr Asp Gln Gln Arg Arg Thr
 35 40 45
 Val Arg Cys Leu Arg Asp Thr Val Leu Leu Leu His Gly Leu Ser
 50 55 60

<210> 501
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 501
 Gln Lys Asp Lys Leu Phe Met Met His Cys Val Glu Val Leu His Gln
 1 5 10 15
 Phe Asp Gln Val Met Pro Gly Val Ser Met Leu Ile Arg Gly Leu Pro
 20 25 30
 Asp Val Thr Asp Cys Glu Glu Ala Ala Leu Asp Asp Leu Cys Ala Ala
 35 40 45
 Glu Thr Asp Val Glu Asp Pro Glu Val Glu Cys Gly
 50 55 60

<210> 502
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 502
 Cys Leu Arg Asp Thr Val Leu Leu Leu His Gly Leu Ser Gln Lys Asp
 1 5 10 15
 Lys Leu Phe Met Met His Cys Val Glu Val Leu His Gln Phe Asp Gln
 20 25 30
 Val Met Pro Gly Val Ser Met Leu Ile Arg Gly Leu Pro Asp Val Thr
 35 40 45
 Asp Cys
 50

<210> 503
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 503
 Met Ser Gly Gln Leu Asp Ala Arg Pro Ala Ala Ala Leu His Pro Gln
 1 5 10 15
 Gly Leu Ala His Pro Leu Trp Thr Cys Leu Leu Pro Arg Lys Gly Pro
 20 25 30
 Ser Glu Val Pro Gln Arg Pro Pro Gln Leu Trp Val Val Ser Ile Ser
 35 40 45

Val Leu Gln Gly Gln His Arg Gly Arg Ala Gly Pro Arg Asp Glu Gln
 50 55 60

Ser Val Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile
 65 70 75 80

Tyr Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln
 85 90 95

Gly Asp Ser Leu Glu Trp
 100

<210> 504
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 504
 Ser Val Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile
 1 5 10 15

Tyr Leu His Asp
 20

<210> 505
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 505
 Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln Gly Asp Ser Leu
 1 5 10 15

Glu

<210> 506
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 506
 Arg Asp Ser Ile Val Ala Glu Leu Asp Arg Glu Met Ser Arg
 1 5 10

<210> 507
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 507
 Met Leu Gly Leu Leu Leu Cys Thr Pro Arg Ala Trp Leu Thr Leu
 1 5 10 15

Ser Gly Pro Val Cys Phe Gln Gly Arg Asp Pro Leu Arg Ser His Arg
 20 25 30

Gly His Pro Ser Cys Gly Ser
35

<210> 508
<211> 11
<212> PRT
<213> Homo sapiens

<400> 508
His Gly Phe Pro Glu Phe Trp Tyr Ser Trp Arg
1 5 10

<210> 509
<211> 10
<212> PRT
<213> Homo sapiens

<400> 509
Ala Ser His Trp Leu Gln Gln Asp Gln Pro
1 5 10

<210> 510
<211> 9
<212> PRT
<213> Homo sapiens

<400> 510
Pro Ile Asn His Tyr Arg Asn Ile Phe
1 5

<210> 511
<211> 9
<212> PRT
<213> Homo sapiens

<400> 511
Tyr Pro Glu Met Val Met Lys Leu Ile
1 5

<210> 512
<211> 14
<212> PRT
<213> Homo sapiens

<400> 512
Pro Glu Phe Trp Tyr Ser Trp Arg Tyr Gln Leu Arg Glu Phe
1 5 10

<210> 513
<211> 9
<212> PRT
<213> Homo sapiens

<400> 513

His Asp Trp Gly Gly Met Ile Ala Trp
1 5

<210> 514
<211> 31
<212> PRT
<213> Homo sapiens

<400> 514
Arg Leu Gly Ala Val Leu Thr Pro Val Ile Pro Ala Leu Trp Glu Ala
1 5 10 15
Glu Ala Ser Arg Ser Pro Glu Thr Arg Ser Leu Arg Pro Ala Trp
20 25 30

<210> 515
<211> 14
<212> PRT
<213> Homo sapiens

<400> 515
Gly Ser Leu Pro Pro Lys Pro Ile Tyr Leu Val Val Pro Arg
1 5 10

<210> 516
<211> 16
<212> PRT
<213> Homo sapiens

<400> 516
Leu Val Phe Ala Glu His Arg Tyr Tyr Gly Lys Ser Leu Pro Phe Gly
1 5 10 15

<210> 517
<211> 10
<212> PRT
<213> Homo sapiens

<400> 517
Glu Gln Ala Leu Ala Asp Phe Ala Glu Leu
1 5 10

<210> 518
<211> 18
<212> PRT
<213> Homo sapiens

<400> 518
Gly Gly Ser Tyr Gly Gly Met Leu Ser Ala Tyr Leu Arg Met Lys Tyr
1 5 10 15

Pro His

<210> 519
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 519
 Asn Ile Ile Phe Ser Asn Gly Asn Leu Asp Pro Trp Ala Gly Gly Gly
 1 5 10 15

<210> 520
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 520
 Ala Met Met Asp Tyr Pro Tyr Pro Thr Asp Phe Leu Gly Pro Leu Pro
 1 5 10 15

Ala Asn Pro Val Lys Val
 20

<210> 521
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 521
 Phe Tyr Thr Gly Asn Glu Gly Asp
 1 5

<210> 522
 <211> 490
 <212> PRT
 <213> Homo sapiens

<400> 522
 Met Gly Ser Ala Pro Trp Ala Pro Val Leu Leu Leu Ala Leu Gly Leu
 1 5 10 15

Arg Gly Leu Gln Ala Gly Ala Arg Ser Gly Pro Arg Leu Pro Gly Ala
 20 25 30

Leu Leu Pro Ala Ala Ser Gly Pro Leu Gln Leu Arg Ala Leu Arg Gln
 35 40 45

Gln Asp Leu Pro Ser Ala Leu Pro Gly Val Gly Gln Val Leu Gly Pro
 50 55 60

Gly Arg Gly Ala His Leu Leu Leu His Trp Glu Arg Gly Arg Arg Val
 65 70 75 80

Gly Leu Arg Gln Gln Leu Gly Leu Arg Arg Gly Leu Ala Ala Glu Arg
 85 90 95

Gly Ala Leu Leu Val Phe Ala Glu His Arg Tyr Tyr Gly Lys Ser Leu
 100 105 110
 Pro Phe Gly Ala Gln Ser Thr Gln Arg Gly His Thr Glu Leu Leu Thr
 115 120 125
 Val Glu Gln Ala Leu Ala Asp Phe Ala Glu Leu Arg Ala Leu Arg
 130 135 140
 Arg Asp Leu Gly Ala Gln Asp Ala Pro Ala Ile Ala Phe Gly Gly Ser
 145 150 155 160
 Tyr Gly Gly Met Leu Ser Ala Tyr Leu Arg Met Lys Tyr Pro His Leu
 165 170 175
 Val Ala Gly Ala Leu Ala Ala Ser Ala Pro Val Leu Ser Val Ala Gly
 180 185 190
 Leu Gly Asp Ser Asn Gln Phe Phe Arg Asp Val Thr Ala Asp Phe Glu
 195 200 205
 Gly Gln Ser Pro Lys Cys Thr Gln Gly Val Arg Glu Ala Phe Arg Gln
 210 215 220
 Ile Lys Asp Leu Phe Leu Gln Gly Ala Tyr Asp Thr Val Arg Trp Glu
 225 230 235 240
 Phe Gly Thr Cys Gln Pro Leu Ser Asp Glu Lys Asp Leu Thr Gln Leu
 245 250 255
 Phe Met Phe Ala Arg Asn Ala Phe Thr Val Leu Ala Met Met Asp Tyr
 260 265 270
 Pro Tyr Pro Thr Asp Phe Leu Gly Pro Leu Pro Ala Asn Pro Val Lys
 275 280 285
 Val Gly Cys Asp Arg Leu Leu Ser Glu Ala Gln Arg Ile Thr Gly Leu
 290 295 300
 Arg Ala Leu Ala Gly Leu Val Tyr Asn Ala Ser Gly Ser Glu His Cys
 305 310 315 320
 Tyr Asp Ile Tyr Arg Leu Tyr His Ser Cys Ala Asp Pro Thr Gly Cys
 325 330 335
 Gly Thr Gly Pro Asp Ala Arg Ala Trp Asp Tyr Gln Ala Cys Thr Glu
 340 345 350
 Ile Asn Leu Thr Phe Ala Ser Asn Asn Val Thr Asp Met Phe Pro Asp
 355 360 365
 Leu Pro Phe Thr Asp Glu Leu Arg Gln Arg Tyr Cys Leu Asp Thr Trp
 370 375 380
 Gly Val Trp Pro Arg Pro Asp Trp Leu Leu Thr Ser Phe Trp Gly Gly
 385 390 395 400
 Asp Leu Arg Ala Ala Ser Asn Ile Ile Phe Ser Asn Gly Asn Leu Asp
 405 410 415
 Pro Trp Ala Gly Gly Gly Ile Arg Arg Asn Leu Ser Ala Ser Val Ile
 420 425 430
 Ala Val Thr Ile Gln Gly Gly Ala His His Leu Asp Leu Arg Ala Ser
 435 440 445

His Pro Glu Asp Pro Ala Ser Val Val Glu Ala Arg Lys Leu Glu Ala
450 455 460

Thr Ile Ile Gly Glu Trp Val Lys Ala Ala Arg Arg Glu Gln Gln Pro
465 470 475 480

Ala Leu Arg Gly Gly Pro Arg Leu Ser Leu
485 490

<210> 523

<211> 22

<212> PRT

<213> Homo sapiens

<400> 523

Cys Ser Val Phe Pro Pro Ser Leu Trp Phe Tyr Leu Pro Leu Val Phe
1 5 10 15

Asp Asp Gly Asp Val Gln
20

<210> 524

<211> 122

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 524

Gly Val Ser Leu Pro Leu Leu Gly Asp Ala Ser Gln Leu Gly Tyr Leu
1 5 10 15

Gly Val Arg Asp Ala Leu Glu Glu Ala Leu Cys Leu Phe Ser Asp Val
20 25 30

Gln Leu Cys Ala Gly Arg Thr Ser Ala Leu Phe Lys Ala Xaa Arg Gln
35 40 45

Gly Arg Leu Ser Leu Gln Arg Ile Leu Leu Pro Phe Val Trp Leu Cys
50 55 60

Pro Ala Pro Gln Arg Trp Ser Leu Gln Arg Gln Ala Gly Leu Leu Glu
65 70 75 80

Leu Arg Trp Ala Pro Pro Ser Ser Ser Phe Leu Ala Ala Leu Phe Thr
85 90 95

Pro Ser Ser Leu Gly Asn Gly Gly Arg Pro Ser Pro Ser Leu Thr Ala
100 105 110

Xaa Leu Gln Phe Asp Leu Arg Leu Leu Cys
115 120

<210> 525
 <211> 74
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (74)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 525
 Val Cys Arg Gly Phe Cys Cys Leu Leu Phe Gly Cys Ala Leu Pro Pro
 1 5 10 15
 Arg Gly Gly Val Tyr Arg Gly Arg Gln Ala Ser Leu Asn Cys Gly Gly
 20 25 30
 Leu His Arg Val Arg Val Ser Trp Pro Leu Cys Leu Pro Pro Gln Ala
 35 40 45
 Ser Ala Met Val Gly Ala Pro Pro Ala Ser Leu Pro Xaa Cys Ser
 50 55 60
 Leu Ile Ser Asp Cys Cys Ala Ser Asn Xaa
 65 70

<210> 526
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 526
 Met Ser His Lys His Met Arg Arg Ser Ala Thr Ser Tyr Ile Ile Arg
 1 5 10 15
 Glu Arg Gln Ile Lys Ile Ile Val Arg Tyr His Tyr Thr Pro Ile Met
 20 25 30
 Thr Thr

<210> 527
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 527
 Ile Arg Glu Arg Gln Ile Lys Ile Ile Val Arg Tyr His Tyr Thr Pro
 1 5 10 15

<210> 528

<211> 13
 <212> PRT
 <213> Homo sapiens

<400> 528
 Lys Lys Thr Cys Thr Met Phe Ile Ala Thr Leu Phe Thr
 1 5 10

<210> 529
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 529
 Glu Lys Ile Phe Ala Lys Lys His Leu Ser Val Lys Gly Leu
 1 5 10

<210> 530
 <211> 83
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 530
 Ser Val Ala Ser Val Phe Ile Pro Leu Lys Val Ser Val Thr Lys Gln
 1 5 10 15

Phe Ile Phe Phe Xaa Phe Phe Phe Phe Leu Arg Arg Ser Leu Ala Pro
 20 25 30

Ala Trp Val Ala Glu Arg Xaa Thr Ser Gln Glu Thr Lys Gln Asn Lys
 35 40 45

Lys Thr Pro Gln Leu Arg Gly Lys Val Ala His Ala Cys Asp Pro Ile
 50 55 60

Thr Leu Gly Gly Arg Arg Trp Glu Val Gly Glu Ser Leu Glu Ala Arg
 65 70 75 80

Ser Pro Ser

<210> 531
 <211> 184
 <212> PRT
 <213> Homo sapiens

<400> 531
 Tyr Met Cys Cys Pro Phe Val Leu Asp Lys Asp Gly Val Ser Ala Ala
 1 5 10 15

Val Ile Ser Ala Glu Leu Ala Ser Phe Leu Ala Thr Lys Asn Leu Ser
20 25 30

Leu Ser Gln Gln Leu Lys Ala Ile Tyr Val Glu Tyr Gly Tyr His Ile
35 40 45

Thr Lys Ala Ser Tyr Phe Ile Cys His Asp Gln Glu Thr Ile Lys Lys
50 55 60

Leu Phe Glu Asn Leu Arg Asn Tyr Asp Gly Lys Asn Asn Tyr Pro Lys
65 70 75 80

Ala Cys Gly Lys Phe Glu Ile Ser Ala Ile Arg Asp Leu Thr Thr Gly
85 90 95

Tyr Asp Asp Ser Gln Pro Asp Lys Lys Ala Val Leu Pro Thr Ser Lys
100 105 110

Ser Ser Gln Met Ile Thr Phe Thr Phe Ala Asn Gly Gly Val Ala Thr
115 120 125

Met Arg Thr Ser Gly Thr Glu Pro Lys Ile Lys Tyr Tyr Ala Glu Leu
130 135 140

Cys Ala Pro Pro Gly Asn Ser Asp Pro Glu Gln Leu Lys Lys Glu Leu
145 150 155 160

Asn Glu Leu Val Ser Ala Ile Glu Glu His Phe Phe Gln Pro Gln Lys
165 170 175

Tyr Asn Leu Gln Pro Lys Ala Asp
180

<210> 532
<211> 199
<212> PRT
<213> Homo sapiens

<400> 532
Ala Arg Gly Lys Thr Val Leu Phe Ala Phe Glu Glu Ala Ile Gly Tyr
1 5 10 15

Met Cys Cys Pro Phe Val Leu Asp Lys Asp Gly Val Ser Ala Val
20 25 30

Ile Ser Ala Glu Leu Ala Ser Phe Leu Ala Thr Lys Asn Leu Ser Leu
35 40 45

Ser Gln Gln Leu Lys Ala Ile Tyr Val Glu Tyr Gly Tyr His Ile Thr
50 55 60

Lys Ala Ser Tyr Phe Ile Cys His Asp Gln Glu Thr Ile Lys Lys Leu
65 70 75 80

Phe Glu Asn Leu Arg Asn Tyr Asp Gly Lys Asn Asn Tyr Pro Lys Ala
85 90 95

Cys Gly Lys Phe Glu Ile Ser Ala Ile Arg Asp Leu Thr Thr Gly Tyr
100 105 110

Asp Asp Ser Gln Pro Asp Lys Lys Ala Val Leu Pro Thr Ser Lys Ser
115 120 125

Ser Gln Met Ile Thr Phe Thr Phe Ala Asn Gly Gly Val Ala Thr Met

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130                      135                      140
Arg Thr Ser Gly Thr Glu Pro Lys Ile Lys Tyr Tyr Ala Glu Leu Cys
145                      150                      155
Ala Pro Pro Gly Asn Ser Asp Pro Glu Gln Leu Lys Lys Glu Leu Asn
165                      170                      175
Glu Leu Val Ser Ala Ile Glu Glu His Phe Phe Gln Pro Gln Lys Tyr
180                      185                      190
Asn Leu Gln Pro Lys Ala Asp
195

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<210> 533
<211> 18
<212> PRT
<213> Homo sapiens

<400> 533
Asp Lys Asp Gly Val Ser Ala Ala Val Ile Ser Ala Glu Leu Ala Ser
1          5          10          15
Phe Leu

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<210> 534
<211> 13
<212> PRT
<213> Homo sapiens

<400> 534
Arg Asp Leu Thr Thr Gly Tyr Asp Asp Ser Gln Pro Asp
1          5          10

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<210> 535
<211> 15
<212> PRT
<213> Homo sapiens

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<400> 535
Lys Ala Val Leu Pro Thr Ser Lys Ser Ser Gln Met Ile Thr Phe
1          5          10          15

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<210> 536
<211> 17
<212> PRT
<213> Homo sapiens

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<400> 536
Thr Met Arg Thr Ser Gly Thr Glu Pro Lys Ile Lys Tyr Tyr Ala Glu
1          5          10          15
Leu

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<210> 537

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<211> 22
 <212> PRT
 <213> Homo sapiens

<400> 537
 Ser Gln Arg Ile Phe Leu His Gly Asn Arg Ile Ser His Val Pro Ala
 1 5 10 15
 Ala Ser Phe Arg Ala Cys
 20

<210> 538
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 538
 Leu Thr Ile Leu Trp Leu His Ser Asn Val Leu Ala Arg Ile Asp Ala
 1 5 10 15
 Ala Ala Phe Thr Gly Leu
 20

<210> 539
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 539
 Leu Glu Gln Leu Asp Leu Ser Asp Asn Ala Gln Leu Arg Ser Val Asp
 1 5 10 15
 Pro Ala Thr Phe His Gly Leu
 20

<210> 540
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 540
 Leu His Thr Leu His Leu Asp Arg Cys Gly Leu Gln Glu Leu Gly Pro
 1 5 10 15
 Gly Leu Phe Arg Gly Leu
 20

<210> 541
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 541
 Leu Gln Tyr Leu Tyr Leu Gln Asp Asn Ala Leu Gln Ala Leu Pro Asp
 1 5 10 15
 Asp Thr Phe Arg Asp Leu
 20

<210> 542
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 542
 Leu Thr His Leu Phe Leu His Gly Asn Arg Ile Ser Ser Val Pro Glu
 1 5 10 15

Arg Ala Phe Arg Gly Leu
 20

<210> 543
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 543
 Leu Asp Arg Leu Leu Leu His Gln Asn Arg Val Ala His Val His Pro
 1 5 10 15

His Ala Phe Arg Asp Leu
 20

<210> 544
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 544
 Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Ala Leu Pro Thr
 1 5 10 15

Glu Ala Leu Ala Pro Leu
 20

<210> 545
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 545
 Ala His Cys Ser Ala Ala Arg Gly Leu Arg Ala Thr Arg
 1 5 10

<210> 546
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 546
 Pro Ala His Cys Ser Ala Ala Arg Gly Leu Arg Ala Thr Arg Phe
 1 5 10 15

<210> 547
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 547
 Pro Ser Leu Thr Cys Ser Leu Thr Pro Leu Gly Leu Ala Leu Val Leu
 1 5 10 15

Trp Thr Val Leu Gly Pro Cys
 20

<210> 548
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 548
 Leu Pro Ser Leu Thr Cys Ser Leu Thr Pro Leu Gly Leu Ala Leu Val
 1 5 10 15

Leu Trp Thr Val Leu
 20

<210> 549
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 549
 Leu Pro Ser Leu Thr Cys Ser Leu Thr Pro Leu Gly Leu Ala Leu Val
 1 5 10 15

Leu Trp Thr Val Leu Gly Pro Cys
 20

<210> 550
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 550
 Cys Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Val Leu
 1 5 10